

JONATHAN BANNON MAHER

jonathan@jonathanmaher.com | +1-212-399-9146

CERTIFICATIONS: Solutions Architect Professional, DevOps Engineer Professional (Amazon Web Services); C#, T-SQL (Microsoft); Java, PL/SQL (Oracle); Terraform, Kubernetes, Docker, Agile, Security (Google trainings)

SKILLS (years' experience): leadership and management (15+), programming (15+), finance (5; portfolio management, trading, equities, RMBS, CDO, CMO, VC, PolyPaths, Intex, Bloomberg), cloud architecture and DevOps (13; Terraform, Kubernetes, Docker, EC2, Auto Scaling, RDS, IAM, ES, CF, S3, CW, CLI, Lambda, VPC, SQS, DDB, etc..), SQL (PL/SQL, T-SQL), Linux, Python (13; Django, NumPy), PHP (10), Java (7; Android), C# (5), Google Cloud (2), Azure (2), C, C++, Ruby, Git, MySQL, TDD, CI/CD, Jenkins, CSS, JS (Node, Angular), Shell, Excel, security, CAD, physics, engineering, patents.

EXPERIENCE

Bannon Maher Corporation, Founder, C.E.O., C.T.O. 2016-present

Invented and filed patents on eighteen software and hardware inventions, including novel electricity generators, a software application development system, an autonomous surgical device, and a new type of reusable rocket.

CentralReach, Senior Staff DevOps Engineer 2020-2022

Managed thousands of servers, and multiple staff, developing automation that increased profitability and prevented revenue loss, to support doubling of revenue/users for the now top electronic medical records provider in its market.

Responded to hundreds of pages of USPTO requests, published a family history book/videos, lived in Italy. 2022-2023

PageRock, Founder, C.E.O., C.T.O. 2014-present

Built an automated autoscaling website creation and hosting service, hired and managed a broad range of talent.

Bannon Maher Capital, Founder, C.E.O., C.T.O., Portfolio Manager, Trader 2016-2019

Automated algorithmic trading fund I created from scratch running a long / short equity portfolio.

InQuest (Pentagon contractor), software engineering leader 2014-2015

First full time engineer, developed network security systems protecting 2m+ users and classified U.S. military networks.

Alegeus, software engineering leader 2013-2014

Managed recreation of the backend of a health insurance marketplace later sold for \$155 million.

United States Senate Candidate, Author, and Musician 2007-2012

Wrote and published two books, *Building a Successful Organization*, and the other on global economic development, endorsed and implemented by Kings, a Prime Minister, and the now First Lady. Recorded music licensed by VH1 and MTV. Federally registered candidate at age 29, focused on voter, media, and donor outreach and communication.

ICP Capital, technology head and junior portfolio manager 2005-2006

Led development of trading software from scratch used to scale the fund from \$0 to \$7.7 billion in assets in one year.

Summer Employment

New York Stock Exchange / Robb Peck McCooey (floor trade ticket clerk), Bear Stearns (J.P. Morgan; assistant to a Member of the Board of Directors / consultant), Deutsche Bank (consultant), Toys "R" Us Corporate (consultant).

Host1, Founder, C.E.O., C.T.O.

Started a web hosting provider in middle school, ran through college, with paying clients and multiple employees.

ACADEMIC

University of San Diego: graduated with recommendations from the President & Dean; engineering leadership focus; ranked #14 engineering, #3 entrepreneurship, #1 most beautiful; elected class Senator; Sigma Chi Social Chair

Courses: London Business School, Managing the Company of the Future; University of Oxford, History of Economic Thought; Harvard University, American Government Constitutional Foundations; Stanford University, Economics of the Clean Energy Transition; Yale University, Financial Markets

Standardized Test: 99th percentile Math Concepts and Problem Solving, 99th percentile Reading Comprehension, ACT

– please review appended supporting documentation including recommendation letters –



JONATHAN BANNON MAHER

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+1-212-399-9146

SUMMARY

- Outcome and trajectory changing, creative, hard-working, honest, ethical, independent thinker with proven expertise in leadership, engineering, management, team building, hiring, strategy, rapid scaling, governance, teamwork, and communication.
- Leadership endorsed in letters by leaders of countries, certified as an expert engineer by Oracle, Microsoft, and Amazon, endorsed in an attached letter by a prominent financial software entrepreneur as “extremely gifted”, tested as a genius, and able to learn nearly anything immediately and independently.
- Started an Internet service provider while in middle school, led development of software from scratch featured in the New York Times used to scale an investment manager from zero to \$7.7 billion in assets in one year, supported a doubling of users and revenue at the now leading electronic health records company in its market segment, led the rebuilding of the backend of a health insurance marketplace later sold for \$155 million, was the first full time engineer at a company whose network security system now protects classified United States military networks and much of the federal government, and led an initial public offering of securities.
- Author of three published books, the first on building a successful organization, the second on global economic development, which was endorsed by Kings, a Prime Minister, and the First Lady, and the third disclosing eighteen of my hardware and software inventions’ patents including a new class of generators and motors, a simplified software application development system, software operated hardware for autonomous cancer removal, and a reusable space vehicle launcher.
- Professional network includes a broad range of elected and unelected international and domestic federal and state leaders, and top talent across engineering, sales, manufacturing, investment management, law, recruiting, and media.

CERTIFICATIONS (certificates appended)

Amazon Web Services: Solutions Architect Professional, DevOps Engineer Professional

Oracle: Java, PL/SQL

Microsoft: C#, T-SQL

Google (courses/projects): Agile Project Management, Cloud Network Security, Terraform, Kubernetes, Docker

Emergency Medical Technician

NAUI: Master Scuba Diver

EXPERIENCE

Bannon Maher Corporation, Founder, C.E.O., C.T.O. (bannonmaher.com) 2016-present

- Independently invented and filed patents on the below listed software and hardware systems, which are disclosed in full in a freely available corresponding book, including:

- a new class of electricity generator and motor systems, expected to provide more than a ten times cost reduction over prior and proposed alternatives through the novel breakthrough application of various principles of physics (magnetic repulsion, leverage, gravity, and buoyancy) to commodity components; a review of the inventions by the National Science Foundation stated “The proposal targets one general application -- electromechanical energy conversion -- but lists four distinct ideas, each with its own risks... If the proposed [generator and motor system inventions] function the way it is claimed in the proposal, it will have a profound impact across the whole energy industry, and physics in general.”;
- software easing computer application development, through the separation of interface components and a backend that automatically creates data structures to support front end components, with front end components able to be specified in non-technical language;
- software for automated investing, running continuously to download market data at intervals, analyze data to determine the positions that are most likely to rise in value in the near future, then closing and opening positions to match the optimized portfolio;
- a system for automated cancer removal, utilizing a thin profile flexible rotatable mechanical arm with an imaging device, cutting device, and suction tube, controlled by software utilizing image recognition and an algorithm to control arm controlling motors;
- software for targeting of advertisements to unregistered viewers, by tagging content with expected demographic for targeting by advertisers;
- a system automating removal of blood stream viruses and cancer, utilizing magnified image recognition to control a motor to direct a sorting device;
- software for automated discovery and control of consumer electronic devices, through network scanning for device and command discovery;
- a reusable space vehicle launch system eliminating the first and second stages of a rocket;
- software providing audio component separation and playback, utilizing a new audio file format where audio components are stored in sequence rather than overlapping, so that individual components can be selected for overlap and playback, for example providing for the playback of a full, instrumental, or acoustic version of a song from one sound file; after informing executives and artists in the music industry of the invention, an implementation was released by Kanye West as the Stem Player;
- a system for high speed autonomously controlled individual track attached vehicles;
- a cost and yield optimized agricultural production system, utilizing vertical adjustable structures with automated nutrient delivery;
- housing structures of factory manufacturable interlocking components that can form customized insulated sound, fire, and disaster proof housing.
- Python code for most inventions is viewable at github.com/bannonmaher.
- Led an initial public offering of securities.
 - Collaborated with attorneys and accountants to prepare required SEC filings through due diligence including marketing material compliance revisions, accounting statements’ drafting and certifications, and risk disclosures.
 - Identified potential investors and built a contact database.
 - Interacted with prospective investors once the offering was initiated.
 - Offering was to raise money to produce generator prototypes, however after insufficient pre-prototype investor interest, the offering was canceled.
- International patent expertise developed in preparation, filing, and prosecuting that exceeded lawyers I consulted, including a former chief administrator for the United States patent court (PTAB).

- Computer aided design expertise developed for manufacturing and animation, during production of a physical aesthetic prototype of one of my generator inventions, and an animated video demonstrating the functionality of multiple inventions.

CentralReach (centralreach.com), Senior Staff DevOps Engineer

2020-2022

- Supported doubling recurring revenue and users, while reducing costs and improving profitability, for what is now the largest provider of electronic medical records and services in its market segment.
- Oversaw and developed automation for thousands of servers, with responsibilities for application and database cluster deployment and uptime, across a primary application, as well as applications of multiple acquired companies, ensuring 24/7 that uptime was well above contractually obligated levels.
- Management activities included boosting team value output and client satisfaction, while reducing the need for additional personnel costs, by road mapping team needs, writing and modifying job descriptions and interview questions, onboarding, assigning and supervising tasks, including running Agile / Scrum team standups, technical mentoring, providing code reviews and approvals, and holding one on ones.
- Wrote software, of my own initiative and at significant personal cost, to automatically correct overloads resulting from the software development group's incorrect application rearchitecting – which took over a month for that team to correct – saving the company from otherwise experiencing hours of daily downtime, and logically therefore, I prevented a loss of a significant portion of users and recurring revenue.
- Budgeted for infrastructure, and independently of my own initiative identified and implemented cost reductions across dozens of AWS accounts, and a range of services, resulting in roughly a half million dollars in recurring annual savings, significantly increasing the company's profitability.
- Responsibilities for internal cross function stake holder relationships including with development and customer service, as well as external relationships with vendors, including Splunk, and through team calls with Amazon Web Services.
- Administered servers, accounts, and permissions for hundreds of employees, for services and applications including AWS, Elasticsearch, *Microsoft Active Directory*, *Jira*, *BitBucket*, *Bamboo*, *Confluence*, *Octopus Deploy*, *Terraform Enterprise*, *Rancher*, *VPN*, *Redshift*, *Tableau*, and *Splunk*.
- Wrote software to automatically complete a broad range of application and database update steps in development and production.
- Wrote and applied infrastructure as code files using *Terraform* and *Chef*.

Responded to hundreds of pages of patent office requests, regarding my eighteen

2022-2023

previously filed software and hardware inventions' patents, with hundreds of pages of deeply researched writing, acting as my own patent lawyer; published a personal and family history book and videos; lived in Italy (Rome, Lake Como, Sicily); obtained the two expert level Amazon Web Services certifications.

PageRock, Founder, C.E.O., C.T.O. (pagerock.com)

2014-present

- A fully featured automated autoscaling website design and hosting platform for small and medium sized businesses which supports custom web pages, stores, blogs, tables, and forms, as well as default responsive design for mobile devices, and default search and social site optimization.

- Architected for effectively unlimited automated scaling and extreme reliability through the deployment of a Python application, based on my patent pending design, to an *AWS* auto scaled load balanced *EC2 Linux* server cluster, and an auto scaled load balanced *RDS* database cluster, both across two regions, with *CloudFront* and *S3* serving static files.
- Hired and managed, over two dozen individuals for specialized work, including an import tool, sales, marketing, user experience testing, translation verification, and video production, who when hired through sites with reviews, each rated me 5.0/5.0 as a manager.
- Continuous deployment of code changes on *GitHub* to an *EC2* development cluster through integration with *AWS CodePipeline*, with manual approval to auto deploy to the production.
- Initially deployed to *Google Cloud Platform*.
- Front end utilizes *HTML*, *CSS*, and *JavaScript*.
- Example clients with websites on the platform include the company itself, a makeup retailer, an interior designer, and a furniture retailer.

InQuest (inquest.net; Pentagon contractor)

2014-2015

- Selected as the first full time employee, and only full-time engineer for over a year, by the head of Pentagon network security, for his Pentagon contracting company, where I developed core components of a network intrusion detection and prevention system, providing real-time collection and threat analysis of network traffic, which as disclosed in press releases and news articles, was selected as the sole session and file analysis tool by the Joint Chiefs of Staff of the United States of America, and is deployed at over 25 security operations centers globally, including at the Pentagon, protecting 2+ million users primarily in the federal government, including users of classified U.S. military networks.
- Developed *Python Linux* daemons which processed network traffic for threats at 10 gigabytes per second per unit both locally and using an auto scaled load balanced *AWS EC2* cluster.
- Wrote *Python* code to automatically build, remotely install, and run automated tests on our custom *Linux* operating system, which retrieved and integrated our latest code from a *GitHub Enterprise* server I set up, custom configured the *Linux* filesystem, generated a *Linux ISO* and uploaded it to our *VMWare Vsphere* account, ran the install, ran unit tests I wrote to verify traffic processing, API endpoints, and user interface output, then displayed unit test results.
- Automated installation, configuration, and nightly backup of our infrastructure and data, writing custom code in *Python* integrating the *AWSCLI*, for *EC2* instances of *GitHub Enterprise*, *HuBoard Enterprise*, and *HipChat*, creating functionality exceeding but similar to configuration management and infrastructure as code tools *Ansible*, *Docker*, *Jenkins*, *Chef*, and *Puppet*.
- While working remotely, had daily management responsibility for organizational technical tasks, including product development in response to client requests and threats, developing tasks for the remote user interface team, who supported display of the analysis provided by backend components, which I then had documented by managing a documentation writer.
- Developed a distributed crawler operating an array of *EC2* nodes using an *SQS* queue that collected and checked billions of files on the Internet against our threat detection algorithms to test for false positives and legitimate malware and recorded results to *DynamoDB*.
- Installed and maintained clones of individual client installs on a *VMWare* cloud to collaboratively debug installs without touching production systems containing classified data.
- Aggregated server logs in *PaperTrail* to monitor *AWS EC2* cluster performance and security.
- Developed an API that allows for domains, IPs, URLs, emails, and file hashes, to be searched against a set of threat data, stored in *AWS Aurora* and *DynamoDB*, compiled by code I wrote to automatically nightly scrape data from over forty threat information aggregators.

- Contributed the industry first idea of permanently retaining identifying information on all incoming files to retroactively re-run against our current threat databases.

Bannon Maher Capital LP & LLC, Founder, C.E.O., C.T.O., portfolio manager, trader 2016-2019

- Investment vehicles I created to run automated algorithmic trading software I conceptualized and coded from scratch in Python, integrating Interactive Brokers' API, and running on AWS.
- Software continuously downloads market data at intervals, calculates positions most likely to rise and fall in value in the near future, within a specified risk profile, successfully closing and opening positions to match the optimized long/short portfolio.

ICP Capital, head of technology and junior portfolio manager 2005-2006

- Led development of the trading and portfolio management system featured in the New York Times article, *How to Find Weeds in a Mortgage Pool*, used to scale the fund from zero to \$7.7 billion in assets in one year, and ultimately to a reported \$22 billion in assets, with my system being a principal reason investors provided that level of funds that quickly, and with my system being possibly the first to correctly predict the financial crisis that occurred two years later.
- System allowed upload and storage of loan-level collateral, displaying statistics including projected default rates, calculated from a proprietary formula, for a single security, a portfolio, and across all portfolios.
- Led team of 2 portfolio managers and 3 analysts, working with portfolio managers to make changes to the system often immediately used to make tens of millions of dollars in trades.
- Assets were triple-A floating-rate *CDO* tranches of fixed-rate *RMBS/CMO*.
- Integrated animated charts to graphically display stratified concentration of loan-level collateral by FICO, DTI, LTV, and location.
- Bloomberg for Excel downloaded delinquencies and defaults for holdings then imported into the system to aggregate performance across all of our holdings for portfolio risk management.
- Functionality included trade entry and ticket generation for settlement and compliance.
- *PolyPaths* bond portfolio export added used to calculate bond prices nightly by averaging present value of cash flows over Monte Carlo pre-payment scenarios and interest rate paths.
- Reporting provided weighted averages of purchase price, dealer marks, and total return.
- System generated formatted portfolios to send out to investors in *Excel* and PDF.
- Complete user buy-in of system evidenced by transaction volume.
- Experience with reverse engineering and pricing bonds in *Intex DealMaker* and settling trades.
- Created a supplement to allow import of a corporate bond CDOs and project defaults.
- Managed & mentored analysts in technology & finance, who I had manage data, test new features, and assist with modifications to the reporting functions.

Alegeus (alegeus.com) 2013-2014

- Managed the rearchitecting and recreation of the back end of a health insurance benefits marketplace, supporting enrollment and management for millions of people, which according to news reports, was sold to Maestro Health then AXA for \$155 million.
- Created 11 of 14 backend components of a *Python Django Angular PostgreSQL* application.
- Managed approval of multiple developers' production code in an *Agile* environment.
- Wrote automated tests for continuous AWS deployment with *GitHub*, *Jenkins*, and *Travis CI*.

United States Senate Candidate (FEC S2NJ00346 & C00495200) 2011-2012

- Federally registered candidate for the United States Senate at age 29.
- Media, voter, and donor outreach and communications.

Author, The Destiny of Humanity

2009-2011

- Topics include economic development, governance & technology
- Endorsed by Kings, a Prime Minister, and the now First Lady, with King Mohammed VI of Morocco writing "I should take this opportunity to wish you success in all you set out to accomplish"; King Norodom Sihamoni of Cambodia writing "I am confident that this book will surely attract public attention on the important task of building a peaceful and prosperous world for all" and Prime Minister Jose Maria Neves of Cape Verde writing that the book is "A pointing of horizons and goals to which we must be aware... the quest for harmony and a blend of attitudes that could reach the heights of the global and total dignity of human beings".

Musician

2009-2010

- After previously recording two cover albums, I wrote and recorded a song, *The Fallout of Love*, that was licensed for shows on MTV, VH1, and Discovery Networks.
- Advertised to interested individuals through Google and Facebook ads, optimizing targeting and cost, with total spending across all campaigns of around \$10,000.

Author, Building a Successful Organization

2007-2009

- Topics include leadership, strategy, management, hiring, sales, marketing, communications, and teamwork.
- Endorsed by a public company executive, as well as a professional book reviewer who stated, "If you are looking for concise directions on how to build a successful organization, you can't make a better choice than this book."
- Published text as an application using *JavaScript XML (AJAX)* calls to retrieve text from a *C#.Net* backend, in 50 languages using automated translation, swapping text dynamically.

HealthLake, Founder, C.E.O., C.T.O.

2007

- Online health care provider directory and medical record collaboration platform developed using *Python, HTML, JavaScript, CSS, Google App Engine*, and *Google BigTable*.
- *Android Java* mobile application developed.

Host1, Founder, C.E.O., C.T.O.

One of the earliest Internet service providers with paying clients started while in middle school and run through the end of college.

- Created a *C#.Net* desktop application that allowed clients to edit their account profile, view billing history, and manage settings which communicated through XML/SOAP with a *Java Servlet* hosted on RedHat Linux running Tomcat to save settings in a *MySQL* database.
- Wrote *PHP* and *C++* scripts running continuously to pull server access logs into *MySQL*, manage email and FTP users through calls to *shell scripts*, and manage Apache *httpd.conf* domains.
- Instant automated account and domain creation to capture sales and reduce overhead.
- Provided sales support to prospects by instant messenger, email, and phone.
- Support ticket system allowed requests to be fulfilled 24x7 by contractors in Asia.
- User interface offered in 11 languages.
- Projected exchange rates over 12-18 months to offer fixed monthly rates in 5 currencies.
- Designed advertisements, set up advertising campaigns, and tracked performance.
- *Excel* spreadsheet estimated advertising campaign profits using price and views, click through rate, conversion rate, servicing cost, revenue, and client tenure using historical averages.

Summer Contractor, Kelly Services, Spherion

Deutsche Bank, Hedge Fund Capital Group

- Collected investment information from prospective European clients through cold calls.
- On my own initiative, brought together about 50 people from sales and support on a *Siebel CRM*, by modifying the layout of the better of two existing systems in conjunction with several of the heaviest users, then sitting with all users individually to demonstrate how to fully utilize the system, ending discussions about a proposed \$1.5 million overhaul.

Bear Stearns (J.P. Morgan)

- Assistant to a Member of the Board of Directors

Merck

- Helped design a 10 question survey which was mailed to approximately 10 thousand doctors to evaluate their attitude toward prescribing generic drug alternatives, and then developed a *Microsoft Access* database used to aggregate and summarize results in distributable reports.
- Created a *Microsoft Access* database for the marketing department used to track expenditures by campaign and generate performance reports using ratios provided by management.
- Created a *Microsoft Access* database for the customer service department to track and categorize complaints, prioritize outstanding issues, and identify problem areas by category.

Volvo Corporate

- Created a web based searchable internal educational media database in *ASP* with *SQL Server*.

Toys “R” Us Corporate

- Created a real-time profit & loss statement of a start-up boutique Geoffrey against the parent company using *SQL* on retail stores *Oracle* database and displaying real-time results using *Microsoft Access* reports. _

Robb, Peck, McCooey, NYSE

- Hand wrote tickets for trades over 100 shares on the floor of the New York Stock Exchange.
- Youngest person working on the floor of the New York Stock Exchange.

PUBLICATIONS

Building a Successful Organization: a Practical and Comprehensive Resource (ISBN 1450586813), covers leadership, management, teamwork, strategy, hiring, ethics, sales, marketing, publicity, patents, copyrights, trademarks, and contracts. Endorsed by a public company executive.

The Destiny of Humanity, (ISBN 0615489516), covers global economic development, and was endorsed by Kings, a Prime Minister, and the now First Lady.

Inventions (ISBN 0692170464), disclosing 18 of my inventions listed under patents filed.

PATENTS FILED

International

Simplified Development of Computer Applications (PCT/US2018/038377)

Content Monetization and Development (PCT/US2018/038369)

Separation and Playback of Audio Components (PCT/US2018/038528)

Leverage Motor and Generator (PCT/US2018/038217)

Buoyancy Motor and Generator (PCT/US18/38233)

Magnetic Repulsion Motor and Generator (PCT/US2018/038208)

Gravity Motor and Generator (PCT/US2018/038191)

Domestic

Reusable Space Vehicle Launcher (62688094)

Autonomous High Speed Ground Transportation (62688126)
Interlocking Construction Structures that Increase Resilience and Reduce Cost (62688033)
Bed Environment Insulation (62688007)
Compressed Distribution of Air and Water (62687999)
High Yield Low Cost Agricultural Production System (62687977)
Automated Discovery and Control of Electronic Devices (62688044)

ACADEMIC

University of San Diego

Graduated with recommendations letters from the President and the Dean (appended)

- Engineering leadership focus; courses included Leadership, Strategic Management, Financial Management, Accounting, Marketing, Macro Economics, Micro Economics, Information Systems, Computer Programming I-III.
- #3 entrepreneurship globally, Financial Times 2015; #14 undergraduate engineering, U.S. News and World Report; #14 economics #15 law, Bloomberg Business Week 2013; #1 most beautiful university, Princeton Review 2017.
- Elected class Senator.
- Sigma Chi Social Chair responsible for large discretionary budget, recruitment responsibilities the only time every membership offer was accepted, and member of the executive committee.

London Business School

- Managing the Company of the Future (course)

University of Oxford

- History of Economic Thought (course)

Yale University

- Financial Markets (course)

Harvard University

- American Government: Constitutional Foundations (course)

Stanford University

- Economics of the Clean Energy Transition (course)

Standardized Testing

- 92nd percentile score on the graduate management admissions exam (GMAT), which was my only attempt, and on less than ten percent of the minimum recommended preparation time.
- 99th percentile score in Math Concepts and Problem Solving, and 99th percentile score in Reading Comprehension, American College Testing (ACT) exam.

SKILLS

Skill (years' experience): leadership and management (15+), programming (15+), finance (portfolio management, trading, research, fixed income, equities, RMBS, CDO, CMO, CLO, venture capital, PolyPaths, Intex, Bloomberg), SQL (Pl/SQL Oracle Certified, T-SQL Microsoft Certified), Linux, Python (13; Django, NumPy, Pandas), Java (7; Oracle Certified; Android), C# (5; Microsoft Certified), cloud architecture and DevOps (13; AWS Certified DevOps Engineer Professional; AWS Certified

Solutions Architect Professional; Command Line Interface, EC2, S3, RDS, Aurora, CloudFormation, CloudWatch, Elastic Container Service, CodeBuild, CodeDeploy, CodePipeline, Elastic Beanstalk, Lambda, Load Balancing, Auto Scaling, Terraform, Kubernetes, Docker, Rancher, Chef, Octopus Deploy, Fargate, Route53, Trusted Advisor, VPC, SQS, SMS, IAM, DynamoDB, ElastiCache, Elasticsearch, Kinesis, etc.), Google Cloud Platform (2), Azure (2), PHP (10; Proved 20% above mean), App Engine (2), Windows (10), C, C++, Ruby, Git, SVN, Continuous Integration and Continuous Deployment, Test Driven Development, Infrastructure as Code, Configuration Management, Docker, Kubernetes, Terraform, Jenkins, MySQL, Redshift, Tableau, Unix, Access, HTML, CSS, JavaScript (10), Node.js, Angular, React, Ruby, ASP, VB, DHTML, XML, Flash, Shell, advertising (Google, Facebook), Excel, networking, security, modeling for animation and manufacturing (CAD, DFM, CAM), engineering, physics, patents.

VOLUNTEER EXPERIENCE

Career Development Counselor, Association of Community Employment Programs for the Homeless
Former Member of the Legislative Board, Manhattan Chamber of Commerce
Emergency Medical Technician

ADDITIONAL INTERESTS

Reading, guitar, mixed martial arts, soccer, tennis, golf, scuba diving, snowboarding.

November 27, 2015

Review of *Building a Successful Organization* by Jonathan Bannon Maher

Building a Successful Organization is without doubt a comprehensive and helpful book for business builders. You'll be immediately impressed by the way you are able to open the book and learn from it, page after page and chapter after chapter. The extensive TOC is supported by insightful and educational material in each chapter. There are few, if any, wasted words in this guideline. Definitions and common terminologies are succinct yet detailed enough to understand. While helpful advice is provided, there is no preaching or condescension. The content in each chapter has been carefully selected to provide information that is essential and clearly explained. If you are looking for concise directions on how to build a successful organization, you can't make a better choice than this book. My recommendation is that you treat this book like your own personal teacher. Have your notepad ready and go through and read each chapter and take notes. Alternatively, if you are only interested in certain aspects of building an organization, focus on those specific chapters. In addition, read the About the Author section so you'll easily understand why this book should become an essential reference source for you. I found it time-saving and convenient to have so much knowledge based on experience contained in one text.

Book Reviews by Kathy awards 5 stars to *Building a Successful Organization*.

This review was provided by Kathy Golden, creator of the Book Reviews by Kathy website.

aws  certified

Jonathan Maher

AWS Certified Solutions Architect - Professional

VALIDATION NUMBER: TQ3NV3PK8MQEQYGL

VALIDATE AT: <https://aws.amazon.com/verification>

Issue Date: Oct 13, 2023

Expiration Date: Oct 13, 2026

aws  certified

Jonathan Maher

AWS Certified DevOps Engineer - Professional

VALIDATION NUMBER: S71GDCJ14ME41K3K

VALIDATE AT: <https://aws.amazon.com/verification>

Issue Date: Aug 23, 2023

Expiration Date: Aug 23, 2026

Student Name JONATHA MAHER
00523

06/81
M

Teacher PUBLIC STUDENTS
School PUBLIC SCHOOL
District ARCH OF NEWARK
Process No. 514869-S 010-0941-941

Grade 8.2
Test Date 11/03/94
Level J-X
Norm FALL

Home
Report

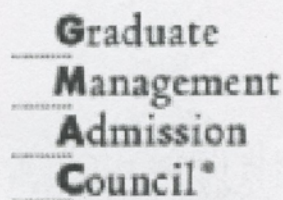


American College Testing
Comprehensive Assessment Program
National Achievement Test

IN NOVEMBER JONATHA MAHER
TOOK THE NATIONAL
ACHIEVEMENT TEST. RESULTS
ARE SHOWN ON THE RIGHT.






	NP	NS			NATIONAL PERCENTILES												
					1	5	10	20	30	40	50	60	70	80	90	95	99
Reading Total	99	9			-----*												
Vocabulary	[REDACTED]																
Reading Comprehension	99	9			-----*												
Language Total	[REDACTED]																
Spelling	[REDACTED]																
Mechanics	[REDACTED]																
Expression	[REDACTED]																
Mathematics Total	[REDACTED]																
Math Computation	[REDACTED]																
Math Concepts and Problem Solving	99	9			-----*												
Basic Battery Total	[REDACTED]																
Word Attack	[REDACTED]																
Reference Skills	[REDACTED]																
Social Studies	[REDACTED]																
Science	[REDACTED]																

Candidate: Maher, Jonathan
Address: 146 Richards Road
Ridgewood, NJ 07450
USA



Test Date: 10/1/07
Appointment Number: 222593448
GMAT™ ID number: 100000422263
Authentication Code: 121497773

UNOFFICIAL GMAT™ SCORE REPORT

	Scaled Score	Percentile
Quantitative		
Verbal		
Total		92

Your Official Score Report, including your Analytical Writing Assessment scores and percentile rankings, will be available in approximately 20 days. Pearson VUE will send you an email message that describes how to access your score report online. If you requested a paper copy of the score report, it will be mailed to you via standard mail.

IMPORTANT: To access your Official Score Report online, you will be required to enter the Authentication Code listed above. This code will NOT be resent to you, and this is the only place in which it is printed. Please retain this score report!

The percentile ranking tables change every year, which means that your ranking may change as well. The most up-to-date version is available on <http://www.mba.com>.

You have requested that your scores be made available to the following Graduate Management Programs:

- Harvard University - Harvard Business School - MBA, Full Time

Please allow 20 days for a GMAT™ Program to receive your Official GMAT™ Score Report.

If you wish to send your scores to more programs, please visit www.mba.com, or fax or mail the Additional Score Report Request Form available in the GMAT™ Information Bulletin, or call GMAT™ Customer Service at:

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**UNIVERSITY
OF LONDON**

07/02/2020

Jonathan Bannon Maher

has successfully completed

Managing the Company of the Future

an online non-credit course authorized by University of London and London Business School and offered through Coursera

Professor Julian Birkinshaw
Professor of Strategy and Entrepreneurship,
London Business School
University of London

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/YC67VXCM2U3R
Coursera has confirmed the identity of this individual and
their participation in the course.



August 26th, 2004

To Whom It May Concern:

In my experience with Jonathan Maher, I have found him to be attentive and thoughtful. He showed initiative, at each chance seeking to go beyond what was required of him, as well as demonstrating consistency and stability in a demanding environment.

Sincerely,

A handwritten signature in black ink, appearing to read "Wendy de Monchaux", written over a horizontal line.

Wendy de Monchaux

Senior Managing Director

Member of the Board of Directors of Bear, Stearns & Co. Inc.

Global Head of Structured Equity Products, Interest Rate Derivatives & Fixed Income Finance

BEAR, STEARNS & CO. INC.

383 MADISON AVENUE NEW YORK, NEW YORK 10179 (212) 272-2000

Deutsche Bank



Deutsche Bank Securities Inc.
Equity Prime Services
60 Wall Street
NYC60-1306
New York, NY 10005-2858

Tel +1 212 250 3862
Fax +1 212 797 7374

To Whom It May Concern:

In my experience with Jonathan Maher, I have found him to be both very personable and intelligent. He is a pleasure to be around and work with. I have repeatedly received feedback from his co-workers that he is an unusually competent and dedicated worker.

Sincerely,

Jon E. Olstein

Vice President

Certificate of Completion
Jon Maher

Has successfully completed
Advanced Architecting on AWS



Director, Training and Certification

3 days

Duration

23 September, 2021

Completion Date

Yale

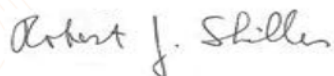
07/01/2020

Jonathan Bannon Maher

has successfully completed with honors

Financial Markets

an online non-credit course authorized by Yale University and offered through Coursera



Robert J. Shiller
Sterling Professor of Economics
Yale University

COURSE
CERTIFICATE

WITH HONORS



Verify at coursera.org/verify/3RT7UM6BBKEG
Coursera has confirmed the identity of this individual and
their participation in the course.



Aug 16, 2022

JONATHAN BANNON MAHER

has successfully completed

DevOps on AWS: Release and Deploy

an online non-credit course authorized by Amazon Web Services and offered through Coursera

Robert Lopez *Russell Sagers*

Amazon Web Services Training Team

**COURSE
CERTIFICATE**



Verify at:

<https://coursera.org/verify/C3WGVK3NTW3M>

Coursera has confirmed the identity of this individual and their participation in the course.



Aug 16, 2022

JONATHAN BANNON MAHER

has successfully completed

Cloud Network Security with Cloud IDS and VM-Series

an online non-credit project authorized by Google Cloud and offered through Coursera

Google Cloud Training

**PROJECT
CERTIFICATE**



Verify at:

<https://coursera.org/verify/APZKPWA6LEN9>

Coursera has confirmed the identity of this individual and their participation in the project.



Aug 11, 2022

Jonathan Bannon Maher

has successfully completed

Infrastructure as Code with Terraform

an online non-credit project authorized by Google Cloud and offered through Coursera

Google Cloud Training

PROJECT
CERTIFICATE



Verify at:

<https://coursera.org/verify/5UFVZ5C7AMA3>

Coursera has confirmed the identity of this individual and their participation in the project.



Aug 13, 2022

Jonathan Bannon Maher

has successfully completed

Managing Deployments Using Kubernetes Engine

an online non-credit project authorized by Google Cloud and offered through Coursera

Google Cloud Training

PROJECT
CERTIFICATE



Verify at:

<https://coursera.org/verify/TVFXY2C4XN7A>

Coursera has confirmed the identity of this individual and their participation in the project.



Aug 11, 2022

Jonathan Bannon Maher

has successfully completed

Introduction to Docker

an online non-credit project authorized by Google Cloud and offered through Coursera

Google Cloud Training

PROJECT
CERTIFICATE



Verify at:

<https://coursera.org/verify/XZ6N8MZEFWT>

Coursera has confirmed the identity of this individual and their participation in the project.

VERIFIED
CERTIFICATE *of* ACHIEVEMENT

HarvardX

This is to certify that

Jonathan Bannon Maher

successfully completed and received a passing grade in

**HKS101A_1: American Government:
Constitutional Foundations**

a course of study offered by HarvardX, an online learning initiative
of Harvard University.



Thomas E. Patterson

Bradlee Professor of Government and the Press
Harvard Kennedy School
Harvard University



VERIFIED CERTIFICATE
Issued June 25, 2020

VALID CERTIFICATE ID
[258ec2027af74968b48ca0b8be9c498e](#)



STANFORD UNIVERSITY

Stanford Center for Professional Development

496 Lomita Mall, Durand Bdg., Stanford CA 94305

Record of Completion

31/Oct/2019

Page 1 of 1

Jonathan Maher
146 Richards Road
Ridgewood, NJ
07450 United States

Account Number: X495318

Course No.	Title	Quarter	Completion Date	Grade	CEU(s)
XE1ET201 - 034	Economics of the Clean Energy Transition	Autumn 2019-20	31/Oct/2019	S	-

Paul Marca
Executive Director
Stanford Center For Professional Development
Stanford University

ORACLE®

Certified Associate

THIS CERTIFIES THAT

Jonathan Maher

IS RECOGNIZED BY

THE ORACLE CERTIFICATION PROGRAM AS AN

Oracle Certified Associate, Java SE 7 Programmer

September 23, 2013

Date Certified


Senior Vice President, Oracle Corporation





Microsoft Specialist

JONATHAN B MAHER

Has successfully completed the requirements to be recognized as a Programming in C# Specialist.

Date of achievement: 08/12/2013
Certification number: E365-1697

A handwritten signature in black ink, which appears to read "Steven A. Ballmer".

Steven A. Ballmer
Chief Executive Officer

Microsoft
Specialist



Microsoft Certified Professional

JONATHAN B MAHER

Has successfully completed the requirements to be recognized as a Microsoft Certified Professional.

Date of achievement: 08/12/2013
Certification number: E365-1699

A handwritten signature in black ink, appearing to read "N. Satya", with a long, sweeping horizontal stroke at the end.

Satya Nadella
Chief Executive Officer

Microsoft
CERTIFIED
Professional



University of San Diego

School of Business Administration - Olin Hall

Office of the Dean

TO: Whom It May Concern

FROM: Curtis W. Cook, Dean and Professor of Management

SUBJECT: Recommendation of Jonathan B. Maher

DATE: June 30, 2005

Jonathan (Jon) Maher was the deepest thinker, most thoughtful and honestly outspoken, most enterprising student in the senior level class in Entrepreneurial Leadership that I team-taught during spring 2005. Of the thousands of students, graduate and undergraduate, I have taught over the past thirty-five years, Jon clearly ranks in the 98th percentile. He was an absolute delight as a student, and undoubtedly will prove himself as a socially-responsible, innovative, service-oriented servant leader in whatever future paths he chooses to pursue.

I recall with amusement and a sense of admiration one of Jon's remarks the first day of class. After we handed out the syllabus, Jon picked up a mixed message. He commented along the lines of: "I strongly disagree with your policy that any student who misses three classes will receive a failing grade. You wrote in the syllabus that leaders lead through influence not authority. What are your thoughts on that?" Provocative question! Jon spoke after class with each of us (faculty) independently, then the following class session he spoke up in front of a full classroom saying essentially, "I apologize for questioning your attendance policy, and hope you did not find it confrontational. Count on me being here every session." This was a learning moment for Mr. Maher, one that reflected the quickness of his mind combined with his ability to reflect and learn from other points of view. (And he had perfect attendance for all 28 sessions.)


Throughout the class, Jon spoke up in every session, in a way that usually indicated his thoughts on the issue of the day as well as offering a reflective question to engage professors and students, often revealing his quick, dry wit in the process. His quest for learning and self-development of himself as well as his peers was continuously demonstrated both in class and out. Jon welcomed any opportunity to provide candid feedback. Even I was fair game! There was no guessing with him. He is very much the team player, and enjoys exerting influence in honest, non-threatening ways. One of our final student presentations emphasized the importance of feedback in developing leadership ability. In concluding their presentation, the group came up with one word to describe each person in the class. Jon was the only person in the class to receive the distinction of the word, "Honest."

Although initially a bit hesitant in making prepared presentations in front of the class, Jon ended the semester feeling very at ease. His final team presentation probed the leadership qualities of three accomplished individuals from different industries and parts of the world. Jon took the role of a chairman of a consulting firm who drilled his executive team (other students) in search of a new board member. He asked tough questions of his board members about their proposed candidates, questions such as: "Couldn't anyone with oil money do what the Sheik Mohammed has done in Dubai?" to "You said that Isadore Sharp is a micromanager. Do you really think any of our clients would want to learn how to become a micromanager?" His teammates had clearly been prepped for such questions, and the class was able to come to an almost unanimous decision on Sheik Mohammed as the best candidate. From my judgment as well as his peer evaluations, this approach had the deepest and most memorable impact on student learning of any presentation.

Jon is confident in his interpersonal interactions with anyone, and is especially at ease with executives and CEOs. We had Jon co-introduce several keynote speakers to audiences of about two hundred each as a linkage to the Leadership Institute for Entrepreneurs that my co-faculty member directs. During the introductions, Jon's co-introducer, the Graduate Business School's student president, asked for a round of applause for the guest she had just introduced. The crowd seemed apprehensive because Jon hadn't asked for applause for the guest speaker, Anne Donnellan our Provost, who he had just introduced. Jon jumped to the microphone and with enthusiasm announced, "Can I get a retroactive round of applause for Dr. Anne Donnellan." The audience was put at ease and responded with a room full of laughter and applause. It was just one of several of Jon's remarks that set an energizing tone for this early morning event.

Jon Maher is extremely goal directed, and has a definite series of objectives he plans to accomplish. Jon's unique leadership abilities most likely will take him into expanded entrepreneurial ventures. He hopes to become CEO of a global enterprise in order to bring jobs, healthcare and education to places around the world where they are needed most. I believe that Jon is certainly capable of such an achievement. Jon has already launched a services business in New York, with connections from Wall Street to Asia. He is comfortable with the world of finance and undoubtedly will extend his reach into this functional realm. Yet his entrepreneurial drive is not focused on personal enrichment as much as doing social good with his life and talents. Jon is also interested in a federal level political office and his candid diplomacy would serve him well in that capacity.

Jon demonstrates a well-defined, ethical values background than enables him to behave as a humble, principled leader. There is no doubt in my mind that Jon Maher will continually demonstrate significant accomplishments within any organization with which he is affiliated. Those who bring him into their organization will be proud of what he contributes. I enthusiastically recommend Jonathan Maher without any reservation.

Sincerely,

Curtis W. Cook, Dean
Professor of Management



May 30th, 2007

To Whom it May Concern,

I am writing to express my thoughts regarding Jonathan Maher's personal and intellectual attributes that will benefit your organization. In order to frame these observations, I felt it might be helpful to provide some background on our organization during Jon's employment.

Jon worked at ICP from December 2005 until December 2006. ICP had recently been formed in August of 2004 to build a leveraged fixed income asset management business. Following a successful year investing the firm's capital, ICP would be launching its third party asset management business in 2006. We were, in short, a company in a "start-up" phase. Achieving our goals in asset management required technological infrastructure capable of helping our managers identify and quickly respond to attractive investment opportunities and able to support their ongoing surveillance requirements. Jon was brought in, initially as a consultant, specifically to support the design and implementation of the business' technology needs. This endeavor required that Jon recognize the importance of being precise (billions of dollars in investments would be made with information provided by the system), highly responsive (investment decisions needed to be made quickly) and forward looking (data captured on the system needed to be available for ongoing portfolio risk and investor reporting). Along with the oversight of our RMBS portfolio management staff, Jon played an integral role in designing and developing the RMBS team's initial portfolio management system that was used to purchase, trade and provide surveillance and investor reporting on the teams first 7.7 billion in assets under management (AUM).

Jon proved to be a quick and serious student, bringing together his strong knowledge of programming and software capability with the nuances of Residential Mortgage Backed Securities (RMBS) and was promoted to a full time Associate position in April of 2006. As he gained the trust of the management team, Jon helped perform qualitative and quantitative analysis on the mortgage loan pools being considered for investment. He was responsible for providing a variety of risk reports to highlight particular credit risk attributes, and portfolio reports to identify performance areas for consideration.

The experiences Jon has had since leaving ICP indicate to me that his interests extend beyond a career. He was on a career track that was likely lucrative and highly dynamic as an early team member of what is now a 13 billion dollar hedge fund and structured credit asset management organization. My impression is that his goal was to have a passion. That desire led him to try to answer the questions he had about his aspirations in music and non-fiction literature. His passion for these endeavors, a decision that I have no doubt had been difficult, did not compromise his sense of responsibility upon his departure.



Jon showed maturity and leadership by making certain that two more junior members of the team were properly trained to takeover his role following his departure.

Jon's days at ICP were no doubt challenging for him. ICP was in a start-up entrepreneurial phase and he was asked to shoulder his share of responsibilities and deal with uncertainties that encompass such an endeavor—limited capital, need to do more with less, need to act quickly with 100% accuracy to gain market credibility. He proved equal to the challenge. It was an experience, with pressures, that at times he likely did not enjoy, but more aptly enjoyed having experienced. It provided Jon insight into the realities of building businesses and the heightened scrutiny placed on new financial service organizations by potential customers, financing counterparties, and service providers. He performed his role with confidence, an eagerness to learn and excel and a strong desire develop leadership qualities. As Jon continues to refine these qualities within you organization I believe he will be an asset to your institution and its goals. Please feel free to contact me should you want to discuss any of Jon's experience with ICP in greater detail.

Sincerely,

President/CEO

January 4, 2004

Re: Jonathan B. Maher

To Whom It May Concern:

I have known Jon since he was two years old, and I have had the pleasure of witnessing him grow into manhood. As an employer, I recognize Jon has many fine qualities one looks for in an employee. He's smart, personable and very dedicated.

Jon is extremely bright. Most young people don't think; they react. When engaged in conversation with him, you can immediately see his brain whirling, looking at the issue from many perspectives, like any good problem solver would do.

Jon is also very talented. He has a musical gift to both play (guitar) and sing, which my experience has shown often exhibits itself similarly in math and computer skills. In fact, Jon is extremely gifted as a computer programmer.

Jon typically takes on tasks that challenge him. He sticks with it, too. This can be a good or bad trait in a person, but in Jon's case, he makes it a positive.

I have known Jon's parents for many years. Both are bright and genuinely nice people. The apple, as they say, does not fall far from the tree.

I would therefore highly recommend Jon as a talented, hard-working, dedicated person that I'm sure would add value to any organization he joins.

Sincerely,

A handwritten signature in black ink, appearing to read 'DM', is placed over a light gray rectangular background.

David M. Geliebter
Managing Partner
Carrot Capital



University of San Diego

Office of the President

August 1, 2005

To Whom It May Concern:

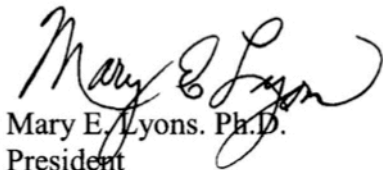
It is with confidence and pleasure that I recommend Jonathan B. Maher to you as a graduate of the University of San Diego. He has been a wonderful addition to our campus community. During his time here, Jon demonstrated exceptional character, as well as leadership and maturity well beyond his years.

Jon had joined Sigma Chi as a freshman, and assumed various leadership positions over the course of his membership. Jon embraced the role of chapter leader when the group had been put up for judiciary review. Working directly with our executive administration, Jon diligently created constructive dialogue between Sigma Chi and the administration. His ability to communicate his concerns and develop creative solutions allowed for an amicable resolution for all parties. Jon's courage in approaching the University's administration and the maturity and foresight in his conduct was admirable and highly regarded.

Jon's leadership and initiative have also led to a great deal of improvement in our University's visibility through the internet. It was Jon who brought to my attention that USD was not listed on Google with other San Diego universities. By working with a team of administrators and staff at the University, Jon took the initiative, as a student, to make USD visible on Google. Today, thanks to Jon's leadership, the University of San Diego is now listed on the first page Google with the other San Diego universities.

Jon exemplifies the university's commitment to being a values based institution. I have no doubt that he will succeed in any future pursuit that he chooses. It is with great pride that I recommend Jon to your organization. Please do not hesitate to contact me if you have any questions or would like to discuss his qualifications further. Thank you.

Sincerely,



Mary E. Lyons, Ph.D.
President



His Majesty Preah Bat Samdech Preah Boromneath
NORODOM SIHAMONI
KING of CAMBODIA

To Mr Jonathan Bannon Maher

Dear Mr Jonathan Bannon Maher,

I would like to extend to you my sincere thanks for presenting to me a copy of your interesting publication "*THE DESTINY OF HUMANITY*".

I am confident that this book will surely attract public attention on the importance of the task of building a peaceful and prosperous world for all.

Please accept, dear Mr Jonathan Bannon Maher, the assurances of my cordial consideration.

A handwritten signature in black ink, reading "Norodom Sihamoni", with a horizontal line underneath.

Phnom Penh, 9 June 2011



República de Cabo Verde
PRIMEIRO MINISTRO

Praia, July 21st 2011

Dear Sir,

This is to acknowledge receipt of the book "The Destiny of Humanity" and thank you for the kindness in offering us with such honor.

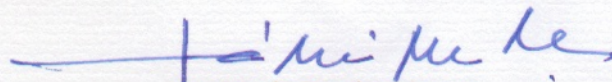
We consider that it is imbued with deep reflection on the paths taken as well as a pointing of horizons and goals to which we must be aware in the conduct of our personal, social, and collective lives in respect to our countries.

We believe that the topics covered in this book reflect also your concern on the choices made or to increase either by the developing country as for those who are already in another sphere.

In this sense, the quest for harmony and a blend of attitudes that could reach the heights of the global and total dignity of human beings, however, they seem to be essential for the concretization and justification of this aim.

With best regards we thank you once again for the offer.

Your faithful,



José Maria Pereira Neves

Prime Minister of Cape Verde

JONATHAN BANNON MAHER