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# Education

B.S. in Computer Systems Engineering from Boston University, May 2000 Graduated on Dean's List

National Merit Scholar Perfect score (1600) on GRE

# Experience

## Senior Software Engineer (SWE) at Google, January 2019 - August 2020

Worked on a dedicated Engineering Productivity team within Core Systems Led development of automatic unit test generator for Angular/Dart components Collaborated regularly with engineers on three coasts

Left to pursue personal projects

## Engineering Manager at Zipdrug, July 2018 - January 2019

Began as contractor, and served briefly as Head of Engineering Introduced code quality measures (e.g., code reviews and test suites) Formalized processes around interviews and project management Automated and expanded existing ETL pipelines

Zipdrug has been acquired by Anthem's new PBM, IngenioRx

## Principal Engineer at Metamarkets, December 2016 - November 2017

First engineer in NYC office of Big Data analytics startup

Identified opportunities, built prototypes, and guided ongoing development Worked closely with Sales and Client Services

Left upon acquisition by Snap, makers of Snapchat

## Engineering Manager at Orchard Platform, December 2013 - August 2016

Employee #1 at successful FinTech startup (acquired, now American Express) Hired as Senior Engineer, then managed Infrastructure team

Designed and implemented cloud-based microservice architecture Worked on real-time bidding, API integrations, and custom tooling

## Contracting and private projects, 2013 - 2018

Tutored adults pursuing programming as a second career, mostly in Python Developed C++ and Scala code including memory allocators and build tools Completed projects at Twitter and Walmart

## Tech Lead at Bloomberg, November 2010 - March 2013

Hired as a C++ developer after two-month contract; later managed a small team Trained other engineers on scalable C++ development

Helped create binding layer to expose native code to dynamic languages Guided development of Launchpad, a special-purpose window manager

## Engineering Consultant at GE, July 2009 - October 2010

Helped debug novel hardware and real-time ARM/Linux application Development device drivers, UI, and low-bandwidth wireless protocol Contracted through Adecco

## Senior Engineer at CLK Design Automation, April 2008 - February 2009

Developed in-house tooling for finding bugs in highly parallel code Wrote and integrated C++ and TCL code

Laid off; company no longer exists

## Software Engineer at Silicon Navigator, September 2007 - April 2008

Led ongoing development of interactive graphical tool for circuit design Enhanced UI; fixed numerous bugs; added complex new functionality Laid off when company shut down

## Software Engineer at IBM, June 2004 - September 2007

First member of new microprocessor design team near Boston Helped on-board 25 other engineers (mostly past coworkers)

Developed and supported in-house Electronic Design Automation tools Projects included game console development and ITAR defense work

## EDA Engineer at Sun Microsystems, May 2000 - June 2004

Developed and supported large-scale semiconductor design tools Created executive dashboard to track bicoastal project's release readiness

Maintained and enhanced existing code, improving performance 10-100x Focused on power analysis and functional verification

Laid off during massive reduction in force

# Technology

Cloud computing, microservices, and horizontally scalable architecture

C++, Rust, Golang, JavaScript, Python, Scala, and other programming languages Functional Programming and Object-Oriented Programming

Embedded software development

Unix/Linux and relevant tooling: Bash, Vim, Git, etc