
EDUCATION

New York University Stern School of Business, MBA - Finance (Currently Enrolled)
Rochester Institute of Technology, Master of Science Computer Science (May-2011)

PROFESSIONAL EXPERIENCE

Integral Ad Science, New York, NY

October 2014 – Present

Enterprise Software Developer - (Java, Python, Rust, Typescript & Javascript)

- I have become the “go to” person for solving any problem related to the module. This includes solving issues related to scaling, speed, throughput, efficiency as well as studying new features and technologies that we might consider for our team and helping in drawing the roadmap for future growth of the product
- Wrote the unit and integration testing framework from scratch and introduced test driven development to the team using Cucumber and Spock
- Collaborated and actively worked with the Data Science team on perfecting various models and schemes for achieving optimal “user targeting” and web page contextualization
- Helped in creating model simulators for authors of various industry white papers on “causal analysis”, a product that was aimed at studying consumer behavior on the internet
- One of the “pet projects” that I created, to automate a repetitive manual task is now an official project that is handled by a team of 3 full time developers
- Helped execute the internship program by onboarding, training and utilizing interns in the team
- I managed to find issues with the codebase and using profilers and other efficiency related tricks managed to increase the throughput of the app by at least 20%, leading to a direct impact on our output as a company as documented here - <https://insider.integralads.com/beat-java-bottlenecks/>
- Introduced the team to new coding paradigms such as aspect oriented programming, dependency injection, domain driven development. This involved a very ambitious rewrite of the entire application from scratch and a 4 month effort which was deemed impossible at the beginning, and involved continuous assurances on my end while working with QA and product teams at the same time. I have always been known for enforcing strict code quality
- Introduced and trained the team to the use of Wireshark and packet analysis for debugging
- Architected and implemented a new dropwizard based metric reporting dashboard which is now ubiquitous in the office on large screens for people to monitor the health of the application

Pulsepoint Inc, New York, NY

October 2012 – October 2014

Platform Engineer (Full stack developer)

- Helped the team in evaluating various cloud services and finally adopt and transition to an Amazon - AWS cloud based solution
- Helped achieve maximum throughput by modernizing the technology stack, performance analysis, profiling using Perf and JVM tuning
- Helped in rewriting an entire product, from C# to Java while maintaining design practices
- Aggressively pushed the team towards adopting GIT and continuous integration

¹ This information can get outdated. Please visit <http://www.chimbs.com> for the latest copy of my resume.

- Finalist for “Shark Tank” a company brainstorming event aimed at coming up with a new direction that the company can take. My idea while appreciated by the leadership team, had to be dropped due to a lack of budget for the financial year.

Adconion Media Group, New York, NY

May 2011 – October 2012

Software Engineer – Python and Java

- Wrote peer reviewed, test driven code in Python/Java on top of hadoop/spark infrastructure
- Worked with Cassandra and Aerospike (erstwhile citrus leaf)

Info Directions Billing, Victor, NY

February 2010 – August 2010

Software Engineering Co Op – C#

Thomson Reuters, Rochester, NY

February 2009 – August 2009

Software Engineering Co Op - Java

CERTIFICATIONS

- Oracle/Sun Certified Java Programmer – 96 % (OCJP)
- Scaled Agile Certification for Teams (SAFe for Teams)

OTHER ACTIVITIES

- Finalist for the Staten Island Bus system hackathon aimed at community involvement for improving the bus system in staten island, presided over by the borough president of Staten Island. This involved pulling data from the NYC open data sources, Big Query and plotting various visualizations on cartoDB to be presented in front of a panel.
- Occasional volunteer and regular member of “Papers we Love” a new york based group which meets every month and reads a research paper in the field of computer science, design or computer engineering and has one presenter presenting it to a wider audience. (A book club for research paper readers).

OPEN SOURCE AND COMMUNITY CONTRIBUTIONS

- Originally wrote and committed the SHA 224 library for the Jython programming language
- Reported a bug in the Glassfish server, stopped just short of fixing it, since someone requested to take over the project from me to gain experience
- A regular contributor and with a level of “Ranch Hand” on the Java Ranch forum
- Having always been interested in data and numbers, I have always been active in writing various blogs based on inferences that I can draw from various open data sources such as bigquery, census data, weather data
- I was able to gather all the polling data for the 2016 US presidential election and was able to compare that with the betting market data(prediction). My idea is to hopefully analyze the various trendlining methods used by the pollsters and hopefully utilize various machine learning techniques to make it better.
- Used various MTA bus related data and NYC taxi data to map various travel patterns of residents of staten island on cartoDB
- Participated (and at times won) a variety of coding contests(such as advent of code). Specifically “speed coding” rounds. for e.g. advent of code² or project euler (47 problems) to name a few.

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