

Janahan Sivaraman

U.S. Citizen | janahan.sivaraman@gmail.com | 443 285 2665 | 107 Thompson St., Apt. 1B, New York, NY 10012

JW Player | New York, NY

Software Engineer | May 2017 – Present

- Implemented POC of consumers for Kafka and RabbitMQ in Python for dynamically streaming upstream application databases
- Lead efforts to increase efficacy of incident management and reimagine engineering interview pipeline
- Built front end application in JW Labs to allow publishers to calculate their revenue via CPM

Harry's | New York, NY

Data Engineer | April 2016 – December 2016

- Lead market research effort to understand semantic meaning of internal tabular data
- Implemented a web application in Scala Play framework and an on-demand ETL with AWS S3, Lambda, and Redshift
- Led a 20-person weekly engineering meeting to facilitate cross team cohesion

Quotail | New York, NY

Founder | June 2015 – March 2016

- Researched and selected database technology for search engine of trades in the equity option market
- Designed a scalable, cloud-based API in NodeJS to support 5,000 concurrent users
- Prototyped and developed full stack Tinder-like mobile app for iOS using React Native
- Created pitch material and presented to VCs, brokerages, and larger audiences

Factset Research Systems | Norwalk, CT

Risk Analytics Software Engineer | June 2012 – June 2015

- Added analytics support for multi-asset class composite assets in Stress Testing, Extreme Event Testing, and Monte Carlo Value at Risk in C++
- Refactored database fetching portion of risk model to leverage concurrency improving speed-up from 3x to 7x
- Refactored a monolithic codebase into a client-server architecture to support offloading of calculation intensive work to RedHat Linux server farm
- Managed an intern on a project to distribute Monte Carlo Value at Risk calculations over multiple computers with Storm

University of Maryland | College Park, MD

B.S. in Computer Engineering | September 2008 – May 2012

1. **Languages** : C++; Python; Scala; JavaScript; Java; Ruby;
2. **Technologies** : Flask; Snowflake; PostgreSQL; Redis; Kafka; RabbitMQ; DynamoDB;

