

# Akshay Sadarangani

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## EXPERIENCE

### Goldman Sachs, Jersey City, USA

Software Engineer II

December 2020 – Present

- **Investment Management Division Conflicts** | Make design decisions and supervise the dev work of 2 direct reportees for this React.js based app where the sales team can onboard biz proposals to check for conflicts of interest

Software Engineer I

April 2019 – December 2020

- **Content Tool** | Conceptualized, proposed and led the development of a full stack web app using Node.js, React.js, Java and other in-house tools to automate fact card generation thereby saving the firm an estimated \$1.3 million / year
- **Fixed Income Automation** | Single handedly interacted with users to design complex server-side code in Java to automate report generation saving 400+ days of work annually by onboarding 21 reports over 6 months
- **Client Reporting Platform** | Led the dev work and managed 4 support staff worldwide for handling daily / monthly posting of 1000+ ETFs and MFs to GSAM.com by retrieving, aggregating and implementing biz logic to financial data
- **Fund Data** | Successfully switched report rendering for 1000+ onshore funds from a 3<sup>rd</sup> party vendor to an in-house tool with 100% result match saving the firm \$700,000 / year

### VMware, Bangalore, India

July 2014 – May 2016

Analyst and Web Developer

- **SharePoint** | Developed and supported MS SharePoint applications used company-wide by 20,000+ employees
- **Gamification** | Received the *Go Getter Award* for engineering a reward-based website for Worldwide Biz Ops

## EDUCATION

### Northeastern University, Boston, MA

December 2018

*Master of Science in Computer Science*

### Christ University, Bangalore, India

May 2014

*Bachelor of Computer Application*

## PROJECTS AND HACKATHONS (CLICK TO FOLLOW)

### Slick 📄 | Northeastern University | December 2018

- Revolutionized an industrial socket broadcast messaging system into a modern-day Java based CALEA compliant messaging platform hosted on AWS EC2. With the git master branch being protected by a high bar of >85% test coverage on SonarQube to pass the Jenkins build and PR approvals, Slick turned out to be a robust system.

### news-map.io 📄 | hackNY 2018 | September 2018

- Hacked a web app that aggregates different news sources using Python on a map built with deck-gl and D3.js to provide location-based trends in current events and a sentiment analysis on each article using IBM Watson NLU to categorize each source's view and help users recognize bias and prevent misinformation

### Autometa 📄 | Northeastern University | August 2018

- Created an Android app to provide an automated geo-based reminder and SMS service. Users entering within the radius of a chosen location or location category will automatically 'trigger' the selected action after a 60 second timer

### UniChat 📄 | Northeastern University | April 2018

- Developed a MEAN stack platform that lets users chat with each other in 15 languages. Messages are translated using IBM Watson Language Translator and have associated positive/neutral/negative sentiment to give a better sense of the translations. Sentiment analysis is done using IBM Watson Natural Language Understanding

### Information Retrieval System 📄 | Northeastern University | December 2017

- Hypothesized the retrieval effectiveness of BM25, TF-IDF, Lucene and Smoothed Query Likelihood Model as retrieval models for a search engine with multiple running parameters using Python

## TECHNICAL SKILLS

Primary Languages: Java, JavaScript ES6 / TypeScript, Slang, SQL

Technologies: Spring MVC, Node.js, Express.js, AngularJS, React.js, Jenkins, JUnit, SonarQube, jQuery

Cloud Platforms: AWS, Heroku, Google Cloud Platform

Databases: MySQL, Oracle, SQLite, MongoDB, Elasticsearch, AWS RDS

## LEADERSHIP EXPERIENCE

- Student Ambassador for Jumpstart at Northeastern University (August 2018 – January 2019)
- Volunteered to help a non-profit organization to port their native web system to an AngularJS frontend (Summer 2018)
- Headed international project collaboration of 100+ students with University of Applied Sciences FHWS, Germany
- Elected University Placement Representative and University Student Council Representative in college