

Akshay Sadarangani

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EXPERIENCE

Goldman Sachs, Jersey City, USA

April 2019 – Present

Software Engineer

- **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** | Lead the dev work and manage 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 3rd 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

- Developed and supported MS SharePoint based web applications used company-wide by 20,000+ employees
- Received the *Go Getter Award – H2 2015* for engineering a reward-based website for the Worldwide Biz Ops team

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

Tabbd 📄 | August 2017

- Innovated a bundled Android app and Google Chrome extension that syncs links between phone and PC in real-time using Google Firebase providing option to open individual links or open all in separate tabs

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 during undergrad