

# Akshay Sadarangani

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## EXPERIENCE

### MongoDB, New York City, USA

Software Engineer III

October 2021 – Present

- **Data API Connectivity for Vercel Integration** 📌 | Implemented a new connectivity mechanism within the MongoDB Atlas integration for Vercel using Java and React + TS, enabling secure data transfer over HTTPS using Data API in a RESTful way, adding to the value proposition of the DBaaS integration
- **Ecosystem** 📌 | Developed a NoAuth marketplace app for MongoDB integrations using React, TypeScript and Java from scratch. The application hosts over 30 configurable, filterable and searchable integrations resulting in a 100% increase in discoverability upon its launch
- **Charts** 📌 | Collaborated with the Charts Product and Analytics teams to design and execute an A/B test experiment showcasing a real-time and interactive Atlas Chart component to promote awareness of the product leading to a 138% activation lift
- **Experiments** | Collaborated closely with Growth product, engineering, marketing, and analytics teams to plan and launch over 10 complex A/A, A/B and MAB test experiments leveraging React + TS and Java targeting improvements throughout the Atlas front-end and back-end funnels
- **DBaaS** 📌 | Contributed to elevating the core Atlas product by developing new features and streamlining existing processes. Led initiatives throughout the SDLC with precision and data-driven decision-making to ensure successful and quality completion

### Goldman Sachs, Jersey City, USA

Software Engineer II

December 2020 – October 2021

- **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 ~\$1.5 million / year
- **Investment Management Division Conflicts** | Make design decisions and supervise the development work of 2 direct reportees for this React.js based app where the sales team can onboard business proposals to check for conflicts of interest
- **Mentorship** | Buddy to 2 interns and Acclimation Mentor to a full-time analyst supporting their way into the firm

Software Engineer I

April 2019 – December 2020

- **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 20+ 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

Analyst and Web Developer

July 2014 – May 2016

- **SharePoint** | Developed and supported MS SharePoint applications used company-wide by 20,000+ employees
- **Infrastructure** | Led the infrastructure upgrade of MS SharePoint from version 2013 to 2016 for 5 global teams
- **Gamification** | Received the *Go Getter Award* for engineering a reward-based website for Worldwide Business Ops

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

## EDUCATION

Northeastern University, Boston, MA

December 2018

Master of Science in Computer Science

Christ University, Bangalore, India

May 2014

Bachelor of Computer Application

## SIDE PROJECTS (CLICK TO FOLLOW)

**Autometa** 📌 | 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** 📌 | 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