

Saivamsi Addagada

Software Engineer
Toronto, ON

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Technical Skills

Strong: Java, Spring Boot, JavaScript (ES6+), Typescript, React, NextJS, React Native, Redux, NodeJS, Express, SQL(PostgreSQL, MySQL, SQLite), Redis, HTML5, CSS3, Tailwind, Git, Docker

Experienced: Python, Swift, NoSQL(MongoDB), ORMs(Prisma, TypeORM), GraphQL(TypeGraphQL), tRPC, Cloud Platforms(AWS, GCP, Azure), Testing Frameworks(JUnit, Jest)

Experience

Remaster | Software Engineer | Project | *Social Music Composition Platform* 2022 - Present
Live: remaster.saivamsi.ca

- Designed a **Spring Boot** application with **MVC architecture** and a custom entity to allow users to create musical compositions synchronized to a given song.
- Harnessed **Spring Security** to build a hybrid JWT/Session-based authentication system that enables the immediate revocation of credentials to alleviate the security compromises of a sole JWT token.
- Implemented an **entity relational diagram** through **Spring Data JPA** to provide the ability to publish, interact, and share compositions through features like user subscriptions, likes, and notifications.
- Leveraged **Typescript** to create static types and define a structure for API endpoints to reduce the likelihood of errors, improve debugging, and provide a seamless developer experience.
- Developed a proprietary editor with specialized **React** components to allow for a comprehensive user experience when creating compositions.
- Utilized **Docker**-compose to configure environments for **PostgreSQL**, **Redis**, and the **Spring Boot** server to streamline the deployment to **AWS** or a **VPS**.

Bella | Software Engineer | Project | *Social E-commerce Platform* 2022 - Present
Live: bella.saivamsi.ca

- Created a **NextJS** application with **Serverless architecture** and a complete e-commerce **entity relational diagram** to allow users to buy and sell clothing.
- Integrated a third-party payments API (**Stripe**) to seamlessly collect payments from customers, deduct a standard application fee, and push payouts to the appropriate sellers.
- Incorporated and optimized **Webhooks** to provide greater security and redundancy when collecting payments or initiating refunds.
- Developed a custom filter/sort **React** component with added entity indexes to allow for faster retrieval when searching for products or users.
- Implemented **infinite and standard pagination** to efficiently retrieve data from the server while reducing the load inflicted on the database.
- Configured **optimistic cache updates** to provide a superior user experience when triggering actions such as adding to a cart, following a user, or liking a product.

Integrity IT Solutions | IT Field Technician | *Pharmacy Infrastructure* 2019 - 2022

- Collaborated with Telus Communications to set up **Kroll** software, workflows, and install upgrades at contracted pharmacies.
- Configured network infrastructure, computers, peripherals, and software for over 200 pharmacies in compliance with Telus and Integrity protocols.

Education

York University | *Computer Science*