

# Shams Minal Rahman

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## EDUCATION

York University

Toronto, Ontario, Canada

Bachelor of Science – Computer Science

Sept 2019 – Apr 2024

## SKILLS & ABILITIES

**Programming:** Java, C, C#, JavaScript, TypeScript, SQL, C++, HTML, CSS/SCSS

**Frameworks:** React, Angular, Node.js, Ruby on Rails, SpringBoot, Express.js, .NET, NgRx, React Native

**Libraries:** Jest, Redux, Axios, Material-UI, jQuery, RxJS

**Databases:** PostgreSQL, MySQL, Redis

**Developer Tools:** Claude, GPT, Git, Bitbucket, Jira, Bamboo, AWS (EC2, RDS, S3)

## EXPERIENCE

**Software Engineer** (React, Ruby on Rails, Redux, PostgreSQL)

May 2025 - CURRENT

**Homebase**

- Refactored 9 frontend modules into 20–30 TypeScript files, reducing worst-case load times from 11s to 1s and unblocking AI feature development.
- Owned full delivery of a scheduling feature, shipping batch API endpoint, migrated to UUIDs, centralized auth, and E2E test coverage.
- Led AI tooling session for 10-person team, presenting multi-agent and LLM ensemble workflows to standardize AI practices.
- Replaced react-dnd with dnd-kit across 4 domains, replacing per-feature config overhead with a centralized provider and reusable hooks.
- Drove REST API migration off legacy framework, eliminating auth conflicts and reducing technical debt.
- Established org-wide drag-and-drop architecture standards and documentation, becoming internal subject matter expert for future feature adoption.

**Software Engineer** (AWS, SQL, Laravel)

Oct 2024 – Mar 2025

**Candoor**

- Separated a monolithic application by deploying AWS services (EC2, RDS, S3) boosting system reliability by 30%.
- Implemented Microservices and MVC design patterns for a modular and scalable architecture, reducing development time by 30%
- Diagnosed and resolved critical infrastructure connectivity issues, reducing system downtime and restoring deployment pipeline stability.

**Software Developer Intern** (Angular, TypeScript, Jest, C#, .NET)

Sept 2022 – Dec 2023

**Bank of Montreal**

- Conducted unit tests with Jest resulting in a test coverage increase of 70% along with the resolution of 100+ bugs.
- Implemented automated TypeScript functions: CSV to JSON/JSON to CSV converters and translation gap identifiers for EN/FR assets to reduce manual workload by 50%.
- Managed agile project development and version control with Git, BitBucket, Jira, and Bamboo to push code, resolve tickets, deploy and merge pull requests, and ensure high code quality with daily code reviews.

## PROJECTS

**BiteSpot, Food Discovery App** (React Native, TypeScript, Java, SpringBoot)

- Engineered a multi-layer caching system for search, video, and location data, reducing load times by 40% and API calls by 65%.
- Eliminated expensive scroll-based rendering, resulting in a 73% reduction in company costs.
- Leveraged feedback from 3500+ beta impressions into Agile-driven releases, significantly improving UI/UX performance.
- Shipped a short-form food discovery iOS & Android app using secure lightweight CI/CD for production readiness.