

# 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++, Unix, Bash Scripting, HTML, CSS/SCSS

**Frameworks:** React, Angular, Node.js, SpringBoot, Express.js, .NET, NgRx, React Native, Expo, JUnit, Xamarin, WordPress.org

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

**Developer Tools:** Git, Bitbucket, Jira, Bamboo

## EXPERIENCE

**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%.
- Architected a RESTful API backend following MVC design principles, enhancing modularity and maintainability by 60%.
- Diagnosed and resolved SSH/connectivity issues, trimming troubleshooting time by 15%.

**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 200+ 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%.
- Optimized application workflow processes through encapsulation resulting in a 5% reduction in debugging time
- Integrated new Windows Forms with C# and .NET into existing algorithms and large-scale codebase.
- Assisted in creation of single page applications with Angular, TypeScript, and CSS/SCSS.
- 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.

**Software Developer (React, Tailwind, Node.js)**

May 2023 – Apr 2024

**Eliminex Pest Management**

- Deployed responsive single page application with React.js & Tailwind CSS, resulting in a 10% increase in monthly revenue.

## PROJECTS

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

- Engineered a multi-layer, TTL-based 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.

**Predictive Basketball Tool (React.js, Tailwind CSS, Node.js, Express.js, PostgreSQL, Python)**

- Designed a backend infrastructure through partitioning, resulting in a 20% reduction in API response time.
- Engineered React hook for data fetching using Axios and managed sensitive endpoints with environment variables.

**Digital E-Commerce Platform (HTML/CSS, JavaScript, Java, SpringBoot, MySQL, Docker)**

- Implemented Microservices, MVC and DAO design patterns for a modular and scalable architecture, reducing development time by 30%.
- Developed fetch methods, enabling seamless data retrieval from MySQL database for 100+ products.