SHAMS MINAL RAHMAN

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GitHub   LinkedIn   Website

EDUCATION

York University   **Toronto, Ontario, Canada**
Bachelor of Science – Computer Science   *Sept 2019 – Apr 2024*

SKILLS & ABILITIES

Programming: JavaScript/TypeScript, HTML, CSS/SCSS, Java, C, C#, SQL, C++, Unix, Bash Scripting
Frameworks: Angular, React, Node.js, SpringBoot, .NET, NgRx, Vue.js, JUnit, Xamarin, WordPress.org
Libraries: Jest, Redux, Material-UI, jQuery, RxJS
Developer Tools: Git, Bitbucket, Jira, Bamboo, VS Code, Eclipse, IntelliJ, Visual Studio

EXPERIENCE

Software Developer *(8 months)*   **May 2023 – Aug 2023, Jan 2024 – Apr 2024**
Eliminex Pest Management
- Deployed responsive single page application with React.js & Tailwind CSS, resulting in a 10% increase in service calls.
- Improved form performance with async validation leading to a 10% reduction in processing time.
- Programmed form submission with react-hook-form's client-side validation, reducing excess HTTP requests.
- Prioritized modularity in codebase architecture to accommodate for potential growth in traffic & user interactions.

Software Developer Intern *(1 year)*   **Sept 2022 – Apr 2023, Sept 2023 – Dec 2023**
Bank of Montreal
- Conducted unit tests with Jest resulting in a test coverage increase of 40% with the resolution of over 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 compilation time.
- Integrated new Windows Forms with C# and .NET into existing large-scale codebase.
- 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.

Android Developer Intern   **May 2022 – Aug 2022**
Zodiac Group
- Managed integrations and data transfer using RESTful API's, resulting in a 20% reduction in data transfer errors.
- Leveraged Xamarin and C++ to convert desktop website into cross platform mobile apps, resulting in a 30% expansion of the user base**.**
- Developed a range of website pages using HTML and CSS all in accordance with the client's pitch.

PROJECTS

Predictive Basketball Tool   **Present**
React.js, Tailwind CSS, Node.js, Express.js, PostgreSQL, Python
- Designed an optimal 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.
- Programmed a RESTful API to integrate database into frontend application.

Digital E-Commerce Platform *(Amazon Clone)*   **Aug 2023**
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.
- Built sorting and filtering features for product catalogue, resulting in a 25% increase in user efficiency.