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 and maintaining data integrity.
- Prioritized modularity in codebase architecture to be scalable and 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%.
- Utilized C# and .NET to design and implement new Windows Forms offering document delivery preferences to clients, increasing user efficiency by 15%.
- Optimized application workflow processes through encapsulation resulting in a 5% reduction in compilation time.
- Managed agile project development and version control with Git, BitBucket, Jira, and Bamboo.

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

- Developing a predictive analytics platform utilizing the PERN stack for high scalability and robust data storage.
- Designed an optimal backend infrastructure resulting in a 20% reduction in API response time.

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, which reduced development time by 30%.
- Developed fetch methods, enabling seamless data retrieval from MySQL database for 100+ products, while also applying sorting and filtering features resulting in a 25% increase in user efficiency.