SHAMS MINAL RAHMAN

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GitHub   LinkedIn   Website

EDUCATION

York University   **Expected Graduation: Apr 2024**
Bachelor of Science – Computer Science

SKILLS & ABILITIES

Programming: JavaScript/TypeScript, HTML, CSS/SCSS, Java, C, C#, MySQL, 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 Intern *(1 year)*   **Sept 2022 – Apr 2023, Sept 2023 – Dec 2023**
Bank of Montreal

- Contributed to the modernization of the BMO Customer Connect application, a global C# project with 5M+ lines of code.
- Managed **agile project development** and version control with **Git, BitBucket, Jira, and Bamboo** to drive code contributions, resolve tickets, deploy and merge pull requests, and ensure high code quality with daily pull request reviews.
- **Utilized C# and .NET** to design and implement new Windows Forms offering document delivery preferences for customers, **increasing user efficiency by 15%.**
- Optimized workflow processes by engineering a Business Workflow Manager (BWM) to initialize functions and utilized a Business Functional Manager (BFM) via BWM interface, **resulting in a 5% reduction** in compilation time.
- Conducted **unit tests with Jest** resulting in a **test coverage increase of 40%** for critical components.
- Created detailed reports on findings and proposed solutions to various software issues, leading to the **resolution of over 200+ bugs** using **Jasmin & Jest**.
- Implemented automated functions into the team's development tools that **reduced manual work by 50%** improving overall efficiency.

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 commercial desktop software into cross platform mobile apps, resulting in a **30% expansion of the user base**.
- Developed a range of website pages using **HTML and CSS**, including pages for online product sales, support and contact, and a landing page, all in accordance with the client's pitch and mood board.

PROJECTS

Digital E-Commerce Platform *(Amazon Clone)*   **Aug 2023**
HTML/CSS, JavaScript, Java, SpringBoot, MySQL, Docker

- Implemented **MVC** and **DAO design patterns**, resulting in a modular and scalable architecture. **Reduced development time by 30%** through the clear separation of business logic and presentation.
- Developed efficient fetch methods, enabling seamless data retrieval from **MySQL database for 100+ products**. Applied sorting and filtering features **resulting in a 25% increase in user efficiency**.
- Engineered user authentication, registration, and account management functionalities using **Spring Boot and MySQL**, resulting in a streamlined user experience, while ensuring data integrity and user security.