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

- Managed agile project development and version control with Git, BitBucket, Jira, and Bamboo to push code contributions, resolve tickets, deploy and merge pull requests, and ensure high code quality with daily pull request reviews.
- Conducted unit tests with Jest resulting in a test coverage increase of 40% for critical components, leading to the resolution of over 200+ bugs.
- Implemented automated functions into the team's development tools that reduced manual work by 50% improving overall efficiency.
- Utilized C# and .NET to design and implement new Windows Forms offering document delivery preferences for customers, increasing user efficiency by 15%.
- Optimized application workflow processes through encapsulation resulting in a 5% reduction in compilation time.
- Contributed to the modernization of the BMO Customer Connect application, a global C# project with 5M+ lines of code.
- Assisted in launching new online banking signing service with Angular & NgRx, ensuring compliance with regulatory requirements for daily customer use.

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, 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

Predictive Basketball Tool   **CURRENT**
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 MVC and DAO design patterns, resulting in a modular and scalable architecture, reducing development time by 30% through clear separation of business logic and presentation.
- Developed efficient 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.