Promise Eskor Ononokpono

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EDUCATION

Bachelor of Science in Software Engineering, GPA: 4.0 01/2021 – 12/2025 | Fredericton, NB

University of New Brunswick

Relvant Coursework: Data structures and Algorithms, Web and Mobile Applications, Agile methodologies, Software Development

SKILLS

Programming Languages: C, Java, C#, Python, Kotlin, JavaScript, TypeScript, HTML5, CSS3, SQL

Developer Tools/ OS: Git, Docker, Azure, MySQL, Firebase, Selenium, Linux, Windows, PostgreSQL, Jenkins, Postman

Software/Frameworks: Node.js, ReactJS, Java Spring Boot, NestJs, Microsoft Office, Jira, Confluence

PROFESSIONAL EXPERIENCE

Software Engineer Intern 05/2024 – 12/2024 | Fredericton, NB

UNB Alloy Design Research Laboratory

- Applied problem-solving and analytical skills to develop a Python-based analytics application from an existing MATLAB proof of concept, integrating 10+ material simulation models (incuding ML models), and enhancing research efficiency in alloy design.
- Engineered the software to be easily scalable by the research team using object-oriented programming model, well-documented code and detailed update user guide highlighting strong technical, documentation and written communication skills.
- Built the graphical user interface (GUI) using PySide and Plotly, providing a modern yet simple design with enhanced data visualization abilities, thereby eliminating the need for researchers to manually create graphs, saving them valuable hours in time.
- Packaged and deployed the software using PyInstaller, ensuring seamless installation and distribution for end users.
- Rapidly adapted to new technologies, independently learning and applying PySide, Plotly, and modular software design for the first time to develop a complete product, demonstrating a flexible nature, and a drive for continuous learning.

Quality Assurance Intern 09/2022 – 04/2023 | Remote

Global Vision (GVD)

- Acted independently to solo-develop a system health checker application using PowerShell scripting, optimizing 20,000+ client environments for GVD software validation, cutting validation bugs by 50%, showing a motivated self-starter who can take the initiative.
- Spearheaded a key phase of in-house software validation for the GVD 5.12.0 release, demonstrating leadership and ownership in ensuring software reliability, quality and a smooth release cycle.
- Designed, implemented, and maintained 150+ daily automated user interface (UI) testing scripts, including integration and unit tests in Java/Selenium, debugging and troubleshooting software issues to optimize efficiency and software reliability.
- Assisted in gathering functional requirements, developing technical specifications and test plans as part of my responsibilities as a QA intern.
- Collaborated cross-functionally in an agile remote environment, actively participating in Scrum and delivering regular status updates, and utilizing excellent teamwork, collaboration and verbal communication skills

PROJECTS

Fun2Learn

ReactJS, JavaScript, SQL, Node.js, Azure, HTML, CSS3, REST, Docker, Firebase, Web Applications

- Developed a creative, research-driven and innovative gamified time management system using modern tech stacks like ReactJS, Node.js and REST APIs to ensure a smooth and responsive user interface (UI), enhancing student productivity and reducing academic stress.
- Integrated Firebase authentication with Node.js and Azure, enabling seamless and secure user sign-ups while adhering to COPPA security guidelines and secure coding best practices.
- Engineered AI-driven positive reinforcement messages based on user statistics to enhance motivation and engagement from users.
- Leveraged Azure cloud services, including Blob Storage and SQL, to ensure scalable data storage and efficient multi-user management.
- Containerized the front and back end with Docker, facilitating seamless scalability and deployment on Azure Container Apps to support over 1,000 concurrent users.

Shopping System

Java, Azure, MySQL, Spring Boot, HTTP

- Architected a microservice-based shopping system in Java, structuring it into four core services (catalogue, user management, shopping cart, and payment), improving scalability and reducing service coupling.
- Implemented design patterns such as the factory, state and command patterns, enhancing system maintainability and enabling faster feature development.
- Effectively utilized RESTful APIs to enable seamless communication between microservices, reducing data retrieval times by 25% and ensuring high interoperability.
- Integrated and managed a dedicated MySQL database service, supporting 5,000+ concurrent transactions while maintaining data consistency and integrity.