JESUGBENGA OMONIWA

+1 587 643 8989 | linkedin.com/in/jesugbenga-omoniwa | jesugben@ualberta.ca

WORK EXPERIENCE

Amazon   **May 2024 – August 2024**
Software Development Engineer Intern   *Vancouver, British Columbia, Canada*
• Developed and implemented a deletion API using **Java** and **Kotlin**, streamlining the user data deletion process and integrating with **AWS services** (S3, DynamoDB, SNS, SQS) to ensure compliance with industry standards.
• Automated manual ticket resolution, reducing **severity-2 incidents** by **85%** and boosting team efficiency.
• Led **cross-functional** teams to design and implement a robust solution for handling user data deletion requests.

Enbridge Oil and Gas Company   **May 2023 – August 2023**
Hydraulic/Software Engineer Intern   *Edmonton, Alberta, Canada*
• Utilized **Power BI** and **SQL** to analyze system performance data, identifying areas for improvement.
• Collaborated with engineers to integrate hydraulic systems with automation, using **UMLs** in **Visio**.
• Supported project planning and execution by organizing team information with **Visual Basic** in Excel and **SharePoint** pages.

Enbridge Oil and Gas Company   **May 2022 – August 2022**
Knowledge Management Analyst Intern   *Edmonton, Alberta, Canada*
• Spearheaded the establishment of the HR Know repository using **MS SharePoint**, enabling improved information accessibility.
• Partnered with HR teams to enhance internal websites serving **10,000+** employees, improving team productivity by about **30%**.
• Assessed technology utilization in HR, recommending improvements and helping transition them into operation.

TECHNICAL SKILLS

Languages: Python, Java, Kotlin, JavaScript, TypeScript, C, C#, C++, SQL, NoSQL, R, HTML, CSS, Dart, Go, Visual Basic
Frameworks & Libraries: React.js, Next.js, AngularJS, Redux, Node.js, JUnit, .NET, Django, PyTorch, NumPy, Flutter, Docker
Tools: AWS, MS Azure, Kubernetes, Firebase, MongoDB, PostgreSQL, Selenium, Spring Boot, PowerBI, Figma, MediaPipe
Miscellaneous: OOP, Agile, UML, REST APIs, Data Analysis, DSA, Linux, CI/CD, Git/GitHub, DevOps, MS Office, SharePoint

EDUCATION

University of Alberta   **September 2021 – August 2025**
Honors Computer Science, BSc, Dean's Honor Roll 23/24

PROJECT EXPERIENCE

QVault Learning Management System – *GitHub*
Desktop & Website Application Development
• Designed a course management platform with **Figma** and **UMLs** and built using **Django**, **Python**, **HTML**, **CSS**, and **JavaScript**.
• Worked with a team of **6**, using **GitHub** for collaboration and **Docker** for deployment, and **Selenium** for automated testing.
• Explored integration with **Cybera** and prototyped a desktop app using **Electron** for a professor in the UA Dept. of Pharmacology.

Showtrove Website – *GitHub* Website: *Showtrove*
Website Application Development
• Built a full-stack web app for movie discovery using **React**, **Redux**, **CSS**, **Node.js**, and **Firebase**.
• Implemented robust search functionality using **Fuse.js** and integrated **TMDB API** to deliver up-to-date movie information.
• Integrated an AI chatbot using **Next.js, TypeScript, Shadcn UI** and **Tailwind CSS** for visually appealing UI and leveraged **OpenAI's ChatGPT, Vercel AI SDK**, **Pinecone**, and **Langchain** for advanced conversational capabilities.
• Built a scalable backend infrastructure with **Node.js** and **MongoDB** to efficiently store and manage user data and movie metadata.

UpNext Messaging & Task Management Mobile App – *GitHub*
Mobile Application Development
• Designed a user-friendly interface with **Flutter** and **Dart**, resulting in seamless navigation and improved messaging experience.
• Developed a **REST API** in **Go (Golang)** using the **Gin** framework to handle task-related operations, ensuring high performance.
• Implemented persistent storage using **ORM** with **MySQL** and **GORM**, enabling reliable data management for all users.
• Integrated responsive design to ensure compatibility across **Android** and **iOS** platforms.

LEADERSHIP EXPERIENCE

University of Alberta International Students Association   **August 2023**
Airport Welcome Ambassador
Served as a cultural liaison, addressing cultural adjustment concerns, and promoting a welcoming environment for **50+** international students as they begin their journey in Canada.