JOSH VELASQUEZ

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WORK EXPERIENCE

headversity   *Calgary, AB*
Software Engineer   *Jun - Dec 2023*

- Optimized and managed an AdminJS-powered admin panel with the aim of increasing the efficiency of administrative tasks through organizing and translating customer data for seamless access and utilization
- Spearheaded the successful conception and execution of EARN, an application reward system, by overseeing the configuration of the database layouts, designing and implementing RESTful endpoints for the backend, and bringing UI mock-ups to life in the implementation phase.
- Used AppFlow and led a dynamic update project allowing the timely deployment of select features to either distinct group of users or all users at once.
- Implemented a robust queueing system using BullMQ to orchestrate scheduled tasks, ranging from queuing messages to dispatching emails. This optimization ensures efficient task management and a seamless handling of asynchronous processes within the application, enhancing overall performance and reliability
- Led daily stand-up meetings and product showcases with the entire company to increase product awareness throughout all departments.

Tech Stack: React, Typescript, NodeJS, AdminJS, MySQL, BullMQ, AppFlow, Ionic, Docker

Pandell Technologies   **Calgary, AB**
Software Developer   *May 2021 - Jun 2023*

- Designed and implemented a resilient RESTful API that generates pipeline integrity reports. This API, a cornerstone in the toolkit of energy companies, extracts and processes crucial land data from Pandell's LandWorks software. The reports provide invaluable insights into the surrounding land, enhancing the understanding of the terrain encompassing target pipelines.
- Collaborated with the GIS team to integrate mapping symbologies into the LandWorks application by utilizing the Leaflet framework to map the North American landmass
- Created and maintained Confluence pages, a guide providing valuable software development tips and techniques. These resources have become integral for the continuous learning and improvement of the company's software developers
- Successfully introduced a mentorship program for new developers in the company to ensure a smooth onboarding process and fostering a culture encouraging continuous learning and improvement

Tech stack: C# .NET Framework, React, TypeScript, MySQL, Leaflet

Zephyr Sleep Technologies   **Calgary, AB**
Software Engineer Intern   *May 2018 - Sept 2019*

- Led the strategic migration of our services, transitioning from WPF .NET Framework to the dynamic and versatile Android platform which resulted in cheaper manufacturing
- Implemented a mentorship program within the company, aimed at facilitating a seamless onboarding process for new developers. This initiative fosters a culture that champions ongoing learning and continuous improvement.
- Used WPF Framework to create software development tool to improve productivity when debugging Android application providing a streamlined debugging workflow and intuitive and efficient solution for developers new to the Android platform
- Created guides to provide resources for current and new software engineers to boost continuous learning and improve software documentation

Tech Stack: React, Typescript, Java, Kotlin, MySQL, C# .NET Framework

EDUCATION

University of Calgary
- Bachelor of Science in Computer Science (Internship program)

SKILLS AND TOOLS
- **Skills:** Typescript (React, NodeJS, AdonisJS, AdminJS, BullMQ, Ionic, Capacitor, Leaflet Framework), Java, Spring Boot, C# (.NET, WPF Framework), Database (MySQL, Redis, SQLite), CI/CD (Appflow), Other languages (Python, C, C++, Kotlin, Matlab Assembly (x86, ARM v7))
- **Tools**: Git, AWS, Azure, Docker, Firebase, Jira, Android Studios, Xcode