

JOSH VELASQUEZ

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WORK EXPERIENCE

headversity

Software Engineer

Calgary, AB

Jun - Dec 2023

headversity is a mental health-based software company targeted towards workplaces and corporations. I played a crucial role in developing an app that has significantly benefited over a million employees globally, including those within prominent organizations like Telus and Alberta Health Services. This innovative app focuses on enhancing mental well-being, addressing key areas such as mental health, workplace safety, and operational excellence.

- 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 queueing 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.

Pandell Technologies

Software Developer

Calgary, AB

May 2021 - Jun 2023

Pandell stands as a premier SaaS company, providing cutting-edge land management software to over 500 energy companies across North America. During my tenure at Pandell, I had the privilege of contributing to both the LandWorks and Geographic Information Systems (GIS) teams, gaining invaluable experience in the dynamic intersection of technology and energy sector needs.

- 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

EDUCATION

University of Calgary

Sep 2014 – Jun 2022

- Bachelor of Science in Computer Science (Internship program)

SKILLS AND TOOLS

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