Ivan Zapanta . Jarvis Consulting

I am a backend developer who excels in building efficient solutions and user-friendly interfaces, and I thrive on staying at the forefront of technology. I began my career in architecture but have since discovered a deep passion for software engineering. I've gained valuable experience through personal and school projects, making me a skilled professional in JavaScript, Linux/Bash, RDBMS/SQL, Agile/Scrum, Git, and other technologies. My passion for software continues to drive me, and I am eager to leverage my design and technology skills to make a meaningful impact in the ever-evolving tech industry.

Skills

Proficient: Javascript, C#, RDBMS/SQL, Agile/Scrum, Git

Competent: Java, React/Angular, Linux/Bash, Python, MySql

Familiar: Docker, Kotlin, React Native, AWS, Azure

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_IvanZapanta

Cluster Monitor [GitHub]: Implemented a solution to efficiently record and monitor hardware specifications and real-time resource usage for the Jarvis Linux Cluster Administration (LCA) team's CentOS 7 Linux cluster. The program was implemented using Bash scripts, with PostgreSQL serving as the RDBMS for data storage to facilitate future resource planning. Agent scripts were scheduled via cron, and the source code was managed on GitHub using Git, while Docker was employed for database provisioning, ensuring ease of deployment.This resulted in delivering an MVP that effectively addresses the LCA team's business needs.

RDBMS and SQL [GitHub]: Crafted SQL queries in a series of practice exercises aimed at improving SQL skills within the context of a relational database management system (RDBMS), specifically PostgreSQL. These exercises encompassed different SQL concepts, such as basic queries, JOIN operations, aggregation, and string manipulation. This project served as a valuable learning experience, enabling me to enhance my SQL proficiency through query-solving challenges.

Grep App [GitHub]: Developed a Java Grep application, a Java-based counterpart of Linux's grep command, facilitating the search for specific regular expression patterns within a root directory, with recursive search capabilities and the option to specify an output file for results. The application has been containerized into a Docker image, readily accessible on DockerHub. The development involved leveraging Java for core functionality, Lambda and Stream APIs for efficient data processing, Docker for containerization, Maven for project management, and IntelliJ as the integrated development environment. This results in successfully creating a powerful, user-friendly tool for text data management, with the added convenience of cross-platform accessibility through Docker containerization.

Highlighted Projects

Patient Health Monitoring System Web App: Created a sophisticated Patient Health Tracker System by utilizing the power of React and JavaScript for a feature-rich frontend. The application's frontend communicates smoothly with the backend through GraphQL, optimizing data exchanges. Patient health data is securely stored and retrieved using MongoDB, guaranteeing the system's reliability and scalability, with a demonstrated capacity to handle over 100+ patient records. Overall, the project is expected to deliver an efficient healthcare data management system, leading to a 80% increase in patient care quality and a boost in healthcare service efficiency.

Attendance Reporting and Messaging Mobile App: Designed an innovative mobile application aimed at addressing the issue of manual attendance tracking while facilitating efficient communication between parents and teachers. This application was developed using Kotlin and incorporates Firebase Authentication for secure user login and authorization, along with a convenient Google sign-in option powered by Google OAuth2. To ensure efficient data storage and synchronization, the app utilizes Firebase Realtime Database. Additionally, its user-friendly design ensures a straightforward experience for everyone involved, making it a valuable tool for modern education and classroom management.

Professional Experiences

Software Developer, Jarvis (2023-present): Develop innovative software solutions that drive efficiency, productivity, and user satisfaction through a highly collaborative approach. Collaborated with a dynamic team by having regular interactions, daily standup meetings to sync up on progress, identify roadblocks, and seek assistance. Our culture emphasized

ongoing improvement through frequent code reviews, skills assessments and knowledge sharing among team members to maintain high code quality. Staying current with emerging technologies and best practices to ensure the delivery of high-quality software solutions aimed at showcasing expertise and skill sets.

Education

Centennial College (2021-2023), Software Engineering Technology, Engineering Technology and Applied Science - Achieved Honors Distinction - GPA: 3.9/4.5

University of the Assumption (2013-2019), Bachelor of Science in Architecture, Engineering and Architecture

Miscellaneous

- Arts, Painting, Drawing: Engaged in various artistic endeavors, including acrylic painting, drafting, and mural creation.
- Participant, Centennial College Entrepreneurship Program: Collaborated with team of 3 to develop a mobile app that help schools manage their attendance and communication.
- Volunteer, San Fernando Community: Lead team of 10 volunteers building houses, showcasing leadership and teamwork skills.