Ivan Joshua Zapanta . Jarvis Consulting

I am a software developer who enjoys solving problems and turning ideas into solutions. With a strong academic background in software engineering, I specialize in full-stack development and data engineering. I believe solutions are just around the corner, and my goal is to turn those solutions into reality through software that addresses business challenges. As I advance in my career, I am committed to continuous growth and meaningful contributions to every project I undertake.

Skills

Proficient: Java, Spring Boot, Maven, Python, Agile/Scrum, Git

Competent: JavaScript, React, Angular, Linux, NodeJs, C#

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

Jarvis Projects

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

Cluster Monitor [GitHub]: Developed a solution to track hardware specs and real-time resource usage for the Jarvis Linux Cluster Administration (LCA) team. The solution used Bash scripts for implementation, with PostgreSQL as the database. Agent scripts ran via cron, and the source code was managed on GitHub with Git. Docker was used for database provisioning, making deployment easier. This resulted in an MVP that successfully met the LCA team's needs.

RDBMS and SQL [GitHub]: Completed series of SQL queries through practice exercise using PostgreSQL. The exercises covered various SQL concepts, including basic queries, JOIN operations, aggregation, and string manipulation. Overall, the project helped me enhanced my SQL proficiency by solving different query challenges.

Grep App [GitHub]: Developed a Java-based Grep application, similar to Linux's grep command, for searching regular expression patterns within a root directory. It supports recursive searching and allows users to specify an output file for results. The project used Java, Java Stream and IO APIs for data processing, Maven for project management, and Docker for containerization. This created a powerful, user-friendly tool for managing text data.

Stock Quote App [GitHub]: Developed a Java-based Grep application, similar to Linux's grep command, for searching regular expression patterns within a root directory. It supports recursive searching and allows users to specify an output file for results. The project used Java, Java Stream and IO APIs for data processing, Maven for project management, and Docker for containerization. This created a powerful, user-friendly tool for managing text data.

Highlighted Projects

Patient Health Tracker App: Developed a health tracking application using React and JavaScript for an easy-to-use frontend which connects smoothly with the backend through GraphQL to exchange data efficiently. Additionally, the patient health data is stored securely in MongoDB, ensuring the system is both reliable and capable of handling over 100 patient records. This app is designed to improve patient care by 80% and make healthcare services more efficient.

Attendance Reporting and Messaging App: Created a mobile app to simplify attendance tracking and improve communication between parents and teachers. The app is built with Kotlin and, to ensure secure logins, it uses Firebase Authentication, including an easy Google sign-in option through Google OAuth2. Additionally, it stores and syncs data using Firebase Realtime Database. Overall, the app is designed to be simple and easy to use, making it a helpful tool for modern classrooms and education management.

Professional Experiences

Software Developer, Jarvis (2024-present): Training in different enterprise technologies, including SQL, Linux Bash, Maven, JDBC, and Java. To date, I have completed projects such as a resource monitoring app in Linux Bash, a SQL exercise project, a Java-based grep app, and a JDBC stock quote app. In these projects, we follow Agile/Scrum methodology and focus on continuous improvement through code reviews and assessments of both technical and soft skills.

Education

Centennial College (2021-2023), Software Engineering Technology, Engineering Technology and Applied Science - Achieved Honors Distinction

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

Miscellaneous

- Collaborated with a team of three in the Centennial College Entrepreneurship Program to develop a mobile app designed to help schools manage attendance and communication.
- Engaged in various artistic activities, such as acrylic painting, charcoal drawing, and creating murals.
- Led a team in building residential structures, ensuring projects were completed on time and to high standards through strong leadership and teamwork.