

# JOSUE JOVEL

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## **PROFESSIONAL SUMMARY**

Full Stack Software Engineer with proficiency in both C# and Java-based languages, frameworks, and libraries. Bachelor's degree in Computer Science and hands-on experience in successfully developing business applications in team environments, using collaborative tools and version control software.

## **SKILLS**

- Languages: Java, SQL(PostgreSQL, Oracle, SQLite), JavaScript, Typescript, HTML, CSS, Dart, C#, C++
- Frameworks/Libraries: Spring Boot, Spring JPA, Spring JDBC, Angular, Flutter, JUnit, jQuery, Jackson, React
- Other: Git, Maven, pgAdmin, Postman, npm, Node, Windows, Spanish

## **EXPERIENCE**

**STEMCO** – Longview, TX  
*Software Engineer Intern*

May 2023 – February 2024

- Developed STEMCO's Fleet Manager app, which monitors hubodometer units in real time and allows for accessible programming from any mobile device.
- Minimized Bluetooth connection times with hardware from half a minute to seconds by revamping our implementation of our Bluetooth package.
- Enhanced database query response times by 25%, accomplished by refactoring SQLite queries to prevent redundant writes.
- Integrated real-time asset management of hardware units by implementing locational tracking, using Google's Geocoding API to decipher GPS coordinates into addresses.
- Optimized App performance from an unstable 30 fps to a consistent 60 fps by using Flutter DevTools to pinpoint and fix performance issues.

**COOK SYSTEMS** – Memphis, TN  
*FastTrack Developer*

June 2024 – July 2024

- Graduated from the FastTrack program, an intensive 8-week course that develops valuable technical and professional software engineering skills.
- Developed several projects in a team environment, including RESTful APIs, Angular front-end clients, and full-stack applications.
- Refined leadership skills and gained teamwork experience by volunteering as the leader for multiple group project efforts.
- Enhanced communication skills through seminars, assignments focused on communication, and weekly team reflections on programming assignments.

## **PROJECTS**

### **Project Management Application** | *Java, Spring Boot, PostgreSQL, Angular, Maven, Git*

- Developed a Full Stack Application in a team environment to provide services for managing teams, users, and projects for a company.
- Implemented logic for the creation and assignment of new Teams, Projects, and Users to a Company via an Angular client, with all changes persisted in a PostgreSQL database through a Spring Boot REST API.
- Processed HTTP requests sent to our API endpoints by mapping incoming DTOs to Entities, saving them into our PostgreSQL database, and returning the appropriate response DTOs.
- Integrated database interactions into the REST API by designing and executing JPA Repository queries from the service layer, enabling efficient CRUD operations.

### **Spotify Quiz Game Application** | *Angular, Typescript, npm, Git*

- Developed an Angular game with Spotify songs, where the user is given a song snippet, and they must guess the song in a multiple choice format.
- Acquired song samples and metadata via the use of a fetch method, which sent requests and an auth token to the Spotify API.
- Transformed HTML elements dynamically with the use of directives such as ngFor, ngIf, ngClass, and ngStyle.
- Integrated game logic such as lives, leaderboards, scoring, and difficulty adjustment by using service files written in Typescript.
- Hosted the completed project via Netify's deployment services, and the game can be played at <https://main--flourishing-gnome-5ad49e.netlify.app/>

### **Social Media RESTful API** | *Java, Spring Boot, Maven, PostgreSQL, Git, Postman*

- Created a REST API for social media posts in co-operation with other developers, using Java/Spring Boot and PostgreSQL
- Implemented endpoints under a Rest Controller which accepts HTTP requests and return DTOs in JSON format.
- Defined a service layer which conducts business logic on data, such as processing tweet requests, and communicates with the repository layer to persist data.
- Enhanced JPA repository functionality by using JPA's query creation capabilities to derive custom queries and support scalable CRUD operations.

### **Apartments Database** | *OracleSQL, SQLPlus, Git*

- Represented apartment complexes in the form of database tables, made with Oracle SQL.
- Defined ER Diagrams and a data dictionary that satisfied all client requirements.
- Constructed solutions to client requests with the use of Select, Create, Update, and Delete statements, as well as more complex features such as inner joins, views, and nested queries.

## **EDUCATION**

**University of Texas** – Tyler, TX  
*Bachelor of Science - Computer Science, 3.51 GPA*

August 2021 – August 2023