CRISTAL FLORES

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SUMMARY

Software Engineer with nearly 4 years of experience in full-stack development, specializing in Java, Spring Boot, React, and PostgreSQL. I have designed and implemented scalable backend systems and dynamic user interfaces, focusing on improving performance and user experience. My expertise includes microservices architecture, integrating CI/CD pipelines using GitLab, and managing databases such as MongoDB and Redis. I have led projects using modern frameworks like Angular, TypeScript, and MaterialUI, applying robust testing methods to ensure high-quality code. Additionally, I am improving my English proficiency, currently at an upper intermediate level.

WORK EXPERIENCE

Freelancer FullStack Developer, Freelancer   **Aug-2024**

- Designed and developed a web application for managing guest lists, including features for QR code generation, scanning, and verification.
- Implemented a user-friendly interface using ReactJs, Typescript, and MaterialUI, resulting in a streamlined event access and verification process.
- Integrated Firebase and Firestore for real-time data management, facilitating seamless synchronization of guest list information, which improved the efficiency of the event check-in process.
- Utilized Axios and Formik for handling API requests and form management, ensuring reliable data submission and retrieval, which enhanced the overall functionality and user experience of the application.

Freelancer Frontend Developer, Freelancer   **Nov 2023 - Jul 2024**

- Developed responsive Angular 6 user interfaces, resulting in a seamless, engaging experience across multiple devices, significantly enhancing overall user satisfaction.
- Implemented a new functionality to generate QR codes using the Redeban API, improving the efficiency of transaction processing and streamlining user interactions.
- Applied Sass and Bootstrap for design and layout, creating a consistent and visually appealing user interface, leading to faster development cycles and a more polished product.
- Conducted thorough testing and debugging, ensuring cross-browser compatibility and minimizing user-reported issues, resulting in a more reliable user experience.
- Collaborated closely with backend developers and stakeholders, aligning frontend functionality with project requirements, creating a more cohesive and user-friendly final product.

Software Engineer, Jalasoft Software Company   **En 2021 - En 2024**

- Developed and integrated microservices with Spring Gateway, which improved routing efficiency and used Spring Security to enhance overall system security through robust authentication and authorization mechanisms.
- Implemented hexagonal architecture with Spring Boot, resulting in scalable backend services that enhanced system modularity and facilitated easier maintenance.
- Managed PostgreSQL and MongoDB databases, optimizing schema design and queries, which significantly improved data retrieval performance and application responsiveness.
- Implemented dynamic user interfaces with React-Redux and MaterialUI, leading to a more engaging and satisfying user experience.
- Applied Vitest for comprehensive unit and integration testing, ensuring high code quality and reducing the incidence of post-release bugs.

- Utilized GitLab for version control and CI/CD pipelines, streamlining development workflows and expediting the deployment process.
- Implemented gRPC for inter-service communication and Kafka for real-time data streaming, enhancing data processing capabilities and system scalability.
- Used Docker and Docker Compose to containerize services, ensuring consistency across development and deployment environments and minimizing deployment issues.
- Employed Redis to manage request rates and prevent infinite request loops, maintaining backend stability and enhancing system reliability.
- Supervised and mentored new developers, providing guidance on best practices and code reviews, which led to improved team productivity and code quality.

EDUCATION

Bachelor's Degree in Computer Engineering (Pending Defense)
Expected Completion Date: Aug 2025
Universidad Mayor de San Simón
- Completed all coursework and requirements.
- Currently, the documentation for the final project is being prepared.

Full Stack Development Training   En 2020 - Dec 2020
Fundacion Jala

ADDITIONAL INFORMATION

- **Frontend Skills:** JavaScript, Typescript, Eslint, MaterialUI, AngularJs, Angular, SemanticUI, React Js, React Redux, Jest, Vitest, Karma, Jasmin, Protractor and Vue.
- **Backend Skills:** Java, JavaEE, Spring Boot, Spring Framework, C#, gRPC, Kafka, Redis, Junit, and Mockito.
- **Database Skills:** PostgreSQL, MySQL, MongoDB, GraphQL, Elasticsearch, and Firestore.
- **Other Skills:** Gradle, Maven, Firebase, Docker, AWS, and Google Cloud Platform
- **Languages:** English(Upper Intermediate), Spanish(Native)