

CRISTAL FLORES

SOFTWARE ENGINEER



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www.linkedin.com/in/cristal-flores-bo



<https://portafolio-ade5b.web.app>

About Me

Experienced software developer with a strong focus on excellence across all development stages. Expert in designing scalable solutions, following best practices for coding, and debugging complex issues. Committed to continuous maintenance and optimization, enhancing software performance while addressing evolving user needs.

Experience

Freelancer Aug-2024

FullStack Developer

Delivery Time: 2 weeks

ReactJs, Typescript, MaterialUI, Firebase, Firestore, Axios, Formik

Web application for managing guest lists, including QR code generation, scanning, and verification. I created a user-friendly interface, implemented QR code features to streamline event access and verification processes.

Freelancer Nov 2023 - Jun 2024

Frontend Developer

Angular 6, Typescript, Sass, Bootstrap, Jasmine, Protractor

A business project that facilitates product sales with multiple payment methods and invoicing via the Impuestos Nacionales API. Implemented features to handle secure transactions.

- Designed and implemented responsive Angular 6 user interfaces for a seamless, engaging experience across devices.
- Implemented a new functionality to generate a QR with Redeban API.
- Applied Sass and Bootstrap for consistent, visually appealing design and layout.
- Conducted thorough testing and debugging to ensure cross-browser compatibility.
- Worked closely with backend developers and stakeholders to align frontend functionality with project requirements.

Jalasoft 2021 - 2024

Software Engineer

Jalasoft Sept 2022 - Jan 2024

Spring Boot, React-Redux, Vitest, PostgreSQL, MongoDB, MaterialUI, GitLab, Git, Java 17, JEE and SCRUM

- Implemented hexagonal architecture with Spring Boot for scalable backend services.
- Developed and integrated microservices with Spring Gateway for efficient routing, and utilized Spring Security for secure authentication and authorization.
- Managed PostgreSQL and MongoDB databases, optimizing schema design and queries.
- Implemented dynamic user interfaces with React-Redux and MaterialUI.
- Applied Vitest for comprehensive unit and integration testing.
- Utilized GitLab for version control and CI/CD pipelines, enhancing and streamlining development workflows.

Jalasoft Oct 2021 - Sept 2022

Spring Boot, PostgreSQL, gRPC, Kafka, Docker, Elasticsearch, Maven, Template FTL, Redis, Git, BitBucket, Java (8 - 17), JEE and SCRUM

- Implemented gRPC for inter-service communication and Kafka for real-time data streaming and processing.
- Used Docker and Docker Compose to containerize services, facilitating consistent development and deployment environments.

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- Employed Redis to control and manage request rates, mitigating the risk of infinite request loops and ensuring backend stability.
- Identified and resolved bugs and performance issues through comprehensive troubleshooting and debugging.
- Supervised and mentored new developers, providing guidance on best practices and code reviews.
- Optimized PostgreSQL schemas and queries for efficient data handling and performance.

Jalasoft Jen 2021 - Aug 2021

SpringBoot, ReactJs, Vitest, PostgreSQL, Java (8 - 11), JEE, SemanticUI React, GitLab CI/CD and GitLab

- Developed and refined user interfaces with ReactJs and SemanticUI React.
- Managed CI/CD pipelines using GitLab CI/CD, automating build, test, and deployment processes.
- Integrated Spring Security for robust authorization mechanisms.
- Developed a shared service for common functionalities across the microservices architecture, such as logging, error handling, abstract classes, to reduce redundancy.

Educational Experience

DevOps Beginner Course 2021

Jala Foundation

Learned foundational knowledge of cloud concepts, including Azure architecture, databases, and networks. Acquired hands-on experience with Azure Data Factory for pipeline management, integration with Key Vault, and ARM templates. Also learned the basics of Azure Kubernetes Service and Helm for Kubernetes management.

Full Stack Development Training 2020

Jala Foundation

Course from a three-year partial-time, I gained hands-on experience in business software development, unit testing, and Agile Scrum methodologies. Enhanced coding skills with a focus on business web application development, clean code practices, design patterns, CI/CD, and methodologies. I collaborated with diverse team roles and teamwork.

SOFTURE Fundamentals 2015

Jala Foundation

Completed an introductory Java programming course, focusing on fundamental concepts and object-oriented principles. Developed and implemented small-scale projects, gaining hands-on experience in coding, debugging, and problem-solving. Achieved proficiency in Java syntax and data structures through practical application and team collaboration.

Robotic 2013

Jala Foundation

Comprehensive robotics course focused on programming with Java using LEGO Mindstorms. Gained hands-on experience in designing, building, and coding robots for various challenges. Actively participated in a competitive robotics event, demonstrating the practical application of skills and knowledge acquired during the course.

Language

Spanish: Native level

English: Intermediate level(B1 - B2)

Educational Summary

DevOpsCourse(Beginner)

DEV - Full Stack
Development Training

SOFTURE Fundamentals

Robotic

Computer Engineering
(Completed all subjects,
degree not processed)

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Skills Summary

Front-End

JavaScript
Typescript
Eslint
MaterialUI
AngularJs
Angular
SemanticUI React
React Redux
Jest
Vitest
Karma
Jasmin
Protractor
Vue

Backend-End

Java
JavaEE
Spring Boot
C#
gRPC
Kafka
Redis
Spring Framework
Spring Boot
JUnit
Mockito

Databases

PostgreSQL
MySQL
MongoDB
GraphQL
Elasticsearch
Firestore

Tools

Gradle
Maven
Firebase
Docker
AWS
Google Cloud Platform