

Carlos Armando Rojas de la Rosa

Software Developer

Summary

Programmer with approximately five years of experience in system development. I have worked in backend, frontend, support, and occasionally in devops tools. I participated in the development of new features for a component in the 5G technology network called PCF, a cloud-native, microservices-based system. I resolved multiple incidents reported by testing teams. I was involved in the full software lifecycle—from requirements gathering to client feedback. This project used the Scrum methodology.

I developed applications for a monolithic IT system in Mexico City called LlaveMx.

I performed debugging in client log files and testing environments to identify reported issues.

I am currently working as a freelancer, developing a personal Marketplace-type project that will function as a SaaS.

Education

Bachelor's in Computer Systems Engineering

Escuela Superior de Cómputo (ESCOM), IPN

Professional Experience

Oracle

Software Developer

[January 2022] – [September 2024]

General Activities:

- Requirements analysis for new features.
- Java code development for new system implementations.
- Development of unit tests and contract testing.
- Log analysis to resolve system anomalies.
- Groovy scripting for GitLab CI/CD pipelines.
- Deployment to OCI (development environment) using Docker containers and Kubernetes.
- Developed new UI components using a framework called Ojet.

- Reduced CPU usage between 11% ~ 5% in two microservices by refactoring a JavaScript library (Lodash).
- Created documentation for the features developed.

Technologies used: Java, Spring Boot, Microservices, MySQL, Docker, Rancher, Postman, Kubernetes, JUnit, JavaScript, Groovy, Oracle Linux, Jenkins, GitLab, Artifactory, Kanban, Oracle, Git, Scrum

Freelancer

Fullstack Developer

[May 2025] – [Present]

General Activities:

Marketplace -Subscription based

- Database design and modeling in MySQL.
- Class design and modeling in Java.
- Development of multiple APIs.
- Design and development of APIs that interact with Stripe for online payments.
- Data storage in AWS S3 buckets.
- Implementation of secure OAuth code using JWT.
- Implementation of caching using Redis for frequently accessed data.
- Frontend development using React.

Technologies used: Java, Spring, MySQL, IntelliJ, Git, GitHub, Gradle, React, Redis, Postman

Delaro Canceleria - Store webpage

- GUI view design
- Backend and frontend logic implementation for a quotation component
- Deployment in pre-production servers
- Reunion and planning activities with client
- Bug reproduction and handling

Demo of the project available in: <https://delaro-frontend.vercel.app/>

Technologies used: Python, Vercel, Google Cloud Run, Github, API design, JSON, React

Short Contracts

Codix Americas

Tech Support Engineer

[April 2021] - [December 2021]

General Activities:

- Incident and failure analysis for the IMX financial system.
- Log analysis and report creation for developers in Bulgaria and Vietnam.
- Meetings with clients to replicate anomalies in production servers.
- Integration and deployment of new code versions in UAT and DEV servers.

Technologies used: Java, Spring Boot, Bash, Jira, OracleDB, Red Hat Linux, Jenkins, Servlets

TCS

Tech Support Engineer

[January 2025] - [May 2025]

General Activities:

- Incident and failure analysis for the Barclays financial system.
- Log analysis and report creation for developers in the UK.
- Integration and deployment of new code versions in DEV servers.

Technologies used: Java, OpenShift, LogFiles

Skills

Languages & Frameworks: Java, HTML, CSS, JavaScript, JSON, React, Spring Boot, Spring Data, Hibernate, JPA

Architecture & Design: Clean coding, Microservices, MVC

Tools & Platforms: Git, GitHub, Postman, Linux, IntelliJ, Visual Studio Code

DevOps: Yaml, Docker, Helm, Pipeline coding, groovy, Jenkins, Docker, Gitlab, Kubernetes

Databases & Storage: MySQL, Redis, AWS S3

Testing & Logging: JUnit, Jest, Mockito, Log4J

Methodologies: Scrum

Other: Web Services, Microservices

Courses / Certifications

- Kubernetes Essentials – Oracle – 2021
 - Fundamentals of PO-CIC – IPN – 2017
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Languages

- **English:** B2 Used in daily communication with international teams
- **Spanish:** Native Speaker

Links & Contact

devcarlosrojas.com

<https://github.com/pequenobribon>

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