

Adriano Sebastian Cruz Palomino

Java Backend Developer | Spring Boot · Microservices · Azure

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PROFESSIONAL SUMMARY

Java Backend Developer with over 3 years of experience in REST APIs, microservices and reactive programming with Java 8+, Spring Boot, Spring WebFlux and JPA/Hibernate, applying SOLID principles and design patterns. Specialized in SQL and NoSQL databases, architectural patterns (API Gateway, Circuit Breaker) and CI/CD with Azure DevOps. Azure certified (AZ-900) and Software Engineering student at UPC. Focused on optimizing service performance and resolving incidents in production environments.

TECHNICAL SKILLS

Languages: Java 8+, SQL, Python

Frameworks and libraries: Spring Boot, Spring WebFlux (reactive programming), Spring Security, Spring Data, JPA/Hibernate, JUnit 5, Mockito

Architecture: Microservices, API Gateway, Circuit Breaker, RESTful APIs, Clean Architecture, Domain-Driven Design (DDD), CQRS, SOLID principles, design patterns

Databases: SQL Server, MySQL, PostgreSQL (SQL), MongoDB (NoSQL); query and index optimization

Cloud and DevOps: Microsoft Azure, Azure DevOps (CI/CD pipelines), Docker, Git

Tools: Maven, Jira, JWT, Postman, code review

Methodologies: Scrum (Scrum Fundamentals Certified)

PROFESSIONAL EXPERIENCE

Programmer Analyst · Autoplan

Oct 2025 – May 2026

Lima, Peru

- Ran the monthly migration of more than 20,000 invoices from the contract management system to the accounting system using SQL scripts for extraction, transformation and loading.
- Validated the consistency and integrity of the migrated data across relational databases, working with business users and the development team.
- Developed new backend requirements with Java and Spring Boot, applying SOLID principles, clean code practices and version control with Git.

Process Automation Intern · Autokarr

Jan 2025 – Oct 2025

Lima, Peru

- Automated the transfer of PDF invoices into Excel using OCR with Python, cutting a manual process from 2 days to 5 minutes and eliminating data entry errors.
- Built sales metrics with Python and pandas (best and worst selling products, category analysis) to support purchasing decisions.
- Prepared income and expense analyses for the company's management reports.

Java Backend Developer · Ecomserv

Jan 2022 – Dec 2024

Support and Development · Technology / E-commerce · Lima, Peru

- Developed and maintained REST APIs and reactive services with Java 8, Spring Boot, Spring WebFlux and JPA/Hibernate for e-commerce platforms (orders, products, customers and payments) deployed on Microsoft Azure.
- Reduced downtime by 35% through continuous monitoring, proactive incident analysis and production troubleshooting (SQL Server, MySQL, PostgreSQL), fixing a critical payment gateway flow.
- Optimized query endpoints with pagination, DTO projections, query refactoring and indexing, cutting response times from 6–10 s to 1–2 s in high-volume scenarios.

PROJECTS

SIDRU: Digital Incentive System for Urban Recycling

Thesis Project · UPC

Stack: Java 21, Spring Boot, PostgreSQL, JWT, DDD, Docker, Microsoft Azure, Web3j (Polygon, ERC-20), Flutter, ESP32, Scrum

- Developed the backend in Spring Boot (Java 21) with PostgreSQL, JWT authentication and a Domain-Driven Design (DDD) architecture, deployed on a Microsoft Azure VM with containerized services.

- Implemented an ERC-20 token on the Polygon network with a custodial wallet model, integrated into the backend through Web3j, delivering a working end-to-end flow with on-chain evidence.
- Built a smart container with an ESP32 (capacitive and inductive sensors and a load cell) for automatic detection, validation and weighing of plastic caps.
- Developed the mobile app in Flutter (MVVM, Riverpod) with QR code scanning and rewards tracking, managing the project under Scrum across 4 sprints.

HomeyPark: Parking Reservation System

Academic Project · UPC

Stack: Java, Spring Boot, Spring Security, PostgreSQL, JUnit 5, Mockito, Docker, JWT, Maven, Git

- Developed the authentication and identity management (IAM) layer with Spring Security and JWT tokens, securing the API's REST endpoints.
- Refactored the Profiles bounded context applying Clean Architecture, SOLID principles and Domain-Driven Design (DDD).
- Implemented the CQRS pattern to separate commands and queries in the business logic.
- Designed RESTful APIs with a layered architecture and wrote unit and integration tests with JUnit 5 and Mockito.

TomateRitmo: AgroTech Platform with Computer Vision and Microservices

Academic Project · UPC

Stack: Java, Spring Boot, Angular, Python, Flask, TensorFlow, PostgreSQL, Docker, APIs REST

- Developed the backend in Spring Boot with secure REST APIs for user management, analysis and diagnosis history.
- Implemented a computer vision microservice (Python, Flask, TensorFlow) for image classification, exposing structured responses (diagnosis, anomaly, confidence and recommendations).
- Integrated the Angular frontend, the Spring Boot backend and the machine learning microservice end to end, orchestrated with Docker.

EDUCATION

Universidad Peruana de Ciencias Aplicadas (UPC)

Software Engineering

In progress · 10th semester

CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals (AZ-900) · Microsoft
- Scrum Fundamentals Certified · SCRUMstudy
- MongoDB · MongoDB University

LANGUAGES

Spanish: native | **English:** technical reading