



Ángel Gamaza

Senior Software Engineer

BASIC INFORMATION

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EDUCATION

- 2018 **CAPSTONE PROJECT,**
Universidad de Cádiz
Development of a real-time Air Quality monitoring platform using advanced architectural patterns.
- Integration of an Enterprise Service Bus (ESB) and Complex Event Processing (CEP) using an Event-Driven Architecture (EDA).
- Connection of geographically dispersed IoT sensors via MQTT, handling continuous data streams and persisting them across relational (MySQL) and NoSQL (MongoDB) databases.
- 2016 **SOFTWARE ENGINEERING STUDIES,**
2011 Universidad de Cádiz
Specialization in Information Systems.

EXPERIENCE

Knowmad Mood, Senior Soft. Engineer & Tech Team Lead
January 2025 - Nowadays

Lead technical decisions for a development team, acting as the bridge between technical execution, architectural design and business needs for the Algeciras Port.

Implementation and maintenance of a highly scalable microservices architecture leveraging an Event-Driven approach (EDA) with Apache Kafka for robust asynchronous communication. In some integrations, we have also used RabbitMQ.

Design of a Back-End ecosystem using the latest Java (23/25) and Spring Boot (up to v4) versions, ensuring standardized API contracts via OpenAPI.

Infrastructure deployment and management on AWS with Docker, using Amazon S3 for the Angular applications and integrating persistence strategies with PostgreSQL.

ADMIRAL GROUP, Senior Soft. Engineer & AWS DevOps
April 2019 - January 2025

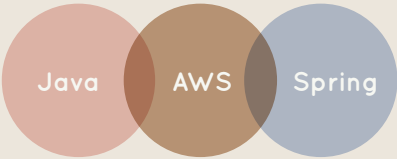
Led the architecture and development of a large-scale, centralized Single Sign-On (SSO) authentication platform for corporate and third-party applications via OneLogin.

Design and provisioning of a highly available and secure microservices infrastructure on AWS through IaC (CloudFormation). Resources orchestration by ECS Fargate, managing data persistence and caching layers with RDS (PostgreSQL), ElastiCache (Redis) and OpenSearch. Ensured security, compliance and traffic routing protocols using IAM, Application Load Balancers (ALB), Route 53 and Secrets Manager.

Core microservices implementation through multiple Java LTS versions (from 11 up to 23) and architected the Back-End ecosystem to be highly adaptable and scalable, driving modernization efforts and updating to the latest frameworks, including Spring Boot 3.

Standardized API contracts using the OpenAPI specification and performed integrated unit testing throughout the development lifecycle using Spring Boot Test and JUnit 5.

SKILLS



Main stack:

- Java 25.
- Spring Boot 4.
- Amazon Web Services (AWS).
- Docker.
- OpenAPI Spec.
- Kafka & RabbitMQ.

Architectures:

- Microservices, EDA & ESB.
- Clean architecture and best practices.

Databases:

- SQL (PostgreSQL, Oracle & MySQL).
- NoSQL (MongoDB & DynamoDB).
- Redis.

Other knowledges:

- Angular 17.
- Keycloak.
- ElasticSearch.
- Python.

LANGUAGES



Native Speaker



APTIS C1 English Certificate

atSistemas, Software Developer

April 2018 - April 2019

Enterprise Back-End development and maintenance using Java and Spring ecosystem, implementing data persistence layers with JPA across relational (MySQL) and NoSQL (MongoDB) databases.

Engineered custom functionalities and corporate add-ons for the Atlassian suite (Jira, Confluence) using Java and JavaScript, optimizing workflows for high-value clients.

Administered and configured collaboration platforms (Bitbucket, Bamboo), while successfully implementing secure directory integrations using LDAP and LDAPS protocols.

Xerintel Internet Technologies, Software Developer

June 2016 - April 2018

Back-End systems and RESTful APIs implementation using Java and the Spring Framework, ensuring robust connectivity with diverse SQL databases.

Developed and maintained custom web applications and e-commerce platforms (Java, JavaScript, PHP, MySQL) for high-traffic institutional and corporate clients, including Granada C.F., Rayo Vallecano S.A.D. and Bayport.

Administered web infrastructure and server environments, overseeing domain management, DNS routing configurations and hosting deployments.

Universidad de Cádiz, Software Development Intern

February 2016 - May 2016

Built a physical server in a university classroom and deployed Proxmox software for virtualization and management of virtual environments.

Provisioned and administered Linux virtual machines to host diverse application servers (Tomcat, Apache, Mule ESB) supporting university coursework.

Additionally, developed Back-End RESTful services in Java and contributed to the initial hardware integration and data collection architecture (Arduino, MQTT) for the university's IoT environmental monitoring platform.