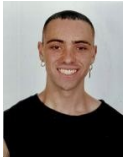


Mario Lada Martínez

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Backend Software Engineer | Java 21 & Spring Boot | IAM & Authorization | Hexagonal Architecture | Kafka | Cloud

PROFESSIONAL PROFILE

Backend Software Engineer with a BSc in Software Engineering and an MSc in Big Data, specialized in Java 21/Spring Boot enterprise systems, Identity & Access Management and maintainable software design. Currently developing the IAM layer of a large public-sector healthcare platform, centralizing roles and permissions with Casbin and Keycloak and integrating authentication across multiple modern and legacy applications. Strong hands-on experience with hexagonal architecture, BFFs, REST/OpenAPI contracts, Kafka, Docker, OpenShift/OKD, CI/CD and AWS/Azure. Focused on evolvable architectures, clear boundaries, testability, automation and practical AI-assisted engineering workflows.

PROFESSIONAL EXPERIENCE

NTT DATA - Java Backend Developer

Spain · Mar 2026 - Present

- Develop Java 21 and Spring Boot services for a large public-sector healthcare platform, applying maintainable design, clear boundaries, testability and separation of responsibilities.
- Implement a centralized IAM and authorization model across several applications, combining Keycloak for authentication and identity integration with Casbin for role, permission and policy management.
- Integrate login and access-control flows into both modern and legacy applications, mapping authenticated identities to application-level permissions while preserving existing architectural constraints.
- Design and implement services using hexagonal architecture, with domain, application/use-case and infrastructure layers plus input/output adapters and dependencies directed toward the core.
- Work with Backend for Frontend (BFF) components and end-to-end frontend/BFF/domain flows, defining stable responsibilities and interfaces between application layers.
- Design REST APIs and OpenAPI/Swagger contracts, including validation, service integration and coordination with consuming teams; integrate Kafka for asynchronous communication and decoupling.
- Containerize and deploy services with Docker across OpenShift/OKD and cloud-connected environments, preparing configuration, delivery artifacts, technical documentation and go-live support.

Inetum - Middleware / CI/CD Engineer

Oviedo, Spain · Jan 2024 - Mar 2026

- Middleware engineering in corporate environments for the Principality of Asturias, supporting business-critical applications, integrations and shared platform services.
- Installed, configured and deployed applications and middleware components across clustered environments, including Apache Tomcat and Elasticsearch.
- Managed Jenkins CI/CD pipelines for build, packaging and controlled deployments across development, pre-production and production-like environments.
- Automated repetitive deployment and configuration tasks using Ansible, Bash and PowerShell, improving consistency across environments.
- Administered and troubleshooted middleware services and integrations, including Keycloak authentication/authorization, users and permissions, SQL Server maintenance, incident resolution and technical documentation.

Sentido Común Internet - Full Stack Developer

Villaviciosa, Spain · Jan 2023 - Dec 2023

- Full-stack development of the Boosted Crew platform, integrating AngularJS frontend modules with .NET backend services and deploying the solution on Microsoft Azure.
- Designed video-consumption analytics and telemetry using Azure Media Player events, Application Insights and Log Analytics to capture, query and expose usage metrics.
- Developed REST APIs and backend components in .NET, integrating presentation, application logic and data services; worked with Azure Storage/Blob Storage, Key Vault, PostgreSQL and MongoDB.
- Started as an intern and transitioned to a contract based on performance.

EDUCATION

- Master's Degree in Big Data - UNIR. GPA: 9.14/10. Master's Thesis: Analysis of post-COVID-19 mental health trends on social media - 9.5/10, honors distinction.
- Bachelor's Degree in Software Engineering - University of Oviedo. Completed in 4 years, GPA: 8.05/10. Bachelor's Thesis: Outstanding (10/10). Honors in key subjects.

TECHNICAL SKILLS

Backend	Java 21, Spring Boot, REST APIs, JWT, OpenAPI/Swagger, validation, API integration, .NET Core/Framework, Entity Framework, ASP.NET MVC.
IAM & Security	Keycloak, Casbin, centralized role & permission management, authentication, authorization, policy-based access control, application access, users/roles and identity integration across modern and legacy systems.
Architecture	Hexagonal architecture, Backend for Frontend (BFF), domain/application/infrastructure layering, ports & adapters, separation of concerns, SOLID principles, design patterns, clean code, maintainability, testability and system design.
Integration	Kafka, REST services, asynchronous communication, event-driven integration, middleware, frontend/BFF/backend integration and environment-based configuration.
Cloud & DevOps	Docker, OpenShift/OKD, Git, GitHub/GitLab, Jenkins, Ansible, CI/CD, GitHub Actions, Azure DevOps, AWS, Microsoft Azure, Azure Storage/Blob Storage, Azure Key Vault, Prometheus and Grafana.
Data	SQL Server, PostgreSQL, MySQL, SQLite, MongoDB, Redis, Elasticsearch, complex queries, relational/non-relational modeling, backups, logs and ETL.
AI & Automation	LLM-assisted software development, specification-driven workflows, code analysis, refactoring, documentation and engineering automation; Python, Pandas, PySpark, BigQuery, Power BI and Jupyter.
Frontend	AngularJS, Angular, React, JavaScript, TypeScript, HTML5, CSS3, Bootstrap, Tailwind, responsive design, UX/UI and accessibility.
Systems	Linux, Windows, Apache Tomcat, clustered environments, Bash, PowerShell, corporate servers, networks, DNS, proxies, basic firewalls, Hyper-V and VirtualBox.

SELECTED PROJECTS & CONTINUOUS DEVELOPMENT

- Toberu - exercise/cardio analysis and recommendation app: built a Streamlit application with Google login to visualize trends, analyze training progress and generate strength/cardio recommendations.
- Web scraping and market analysis: built a Python pipeline for technology-product price monitoring with automated extraction, SQLite persistence, Pandas processing and email alerts.
- AI-assisted software engineering: practical use of LLM-based development tools for code analysis, refactoring, documentation, specification-driven development and workflow automation, with human review and software-quality criteria in the loop.
- Continuous technical development in Java/backend engineering, IAM, software architecture, cloud, data and automation through production work, technical documentation, courses and personal projects.

LANGUAGES

- Spanish: native.
- English: upper-intermediate; comfortable with technical documentation, professional meetings, technical discussions and written communication.