

LUCAS MARTIN ISASMENDI

Java Backend Developer

+54 9 249 4684938 | Tandil, Buenos Aires, Argentina | isasmendi.martin@gmail.com

PROFESSIONAL SUMMARY

Backend developer specializing in Java and Spring Boot, building reactive microservices deployed on Kubernetes (GKE) in Google Cloud. Currently developing banking services with Spring WebFlux, integrating REST and SOAP systems through Apigee and shipping releases via Jenkins CI/CD. Also experienced in modernizing legacy JavaEE applications.

TECHNICAL SKILLS

Backend: Java, Spring Boot, Spring WebFlux, Spring Security, JavaEE, Hibernate/JPA, RESTful APIs, SOAP, K8s

Databases: MySQL, PostgreSQL

DevOps & Tools: Docker, GCP, AWS, Jenkins, Git, Maven/Gradle, JUnit, Mockito

Additional: TypeScript, Angular, Kotlin, Swift, Convex, Coolify

Languages: Spanish (Native), English

PROFESSIONAL EXPERIENCE

Backend Developer | Varegos | *May 2026 – Present*

- Developing and maintaining REST microservices for Banco Macro with Spring WebFlux (Java 17)
- Deploying services on GCP over GKE (Kubernetes) and exposing them through Apigee
- Integrating with internal backend systems over both REST and SOAP/XML
- Shipping releases through Jenkins CI/CD pipelines

Stack: Java 17, Spring WebFlux, OpenAPI, REST, SOAP, GCP (GKE, Kubernetes, Apigee), Jenkins

Java Developer | Make Software | *Oct 2024 – May 2026*

- Contributing to a laboratory management SaaS platform serving growing client base. Work involves maintaining and extending a legacy JavaEE/JSF system while building new standalone microservices with Spring Boot.
- Designed and deployed a Spring Boot microservice to centralize PDF generation, reducing duplicated codebases to a single service
- Built reactive middleware (Spring WebFlux) integrating the WhatsApp Business API to send messages and notifications from the laboratory management system
- Modernized and stabilized a legacy Android app for an external client, replacing deprecated dependencies, refactoring the codebase, and resolving critical WebSocket lifecycle issues
- Contributed to the architecture and development of a multi-tenant digital pathology platform using Spring Boot and an event-driven AWS infrastructure (SQS, EventBridge) for secure, scalable WSI management.
- Deployed the Virchow foundation model on AWS SageMaker and tested it on whole slide images (WSI) for feature extraction.
- Integrated backend APIs with an Angular and OpenSeadragon viewer, enabling seamless data delivery and navigation of gigapixel medical images.
- **Stack: JavaEE, JSF, Spring Boot, WebFlux, Java 21 and 8, Docker, Azure, MySQL, Kotlin, Android, Websockets, AWS, Python, OpenSlide**

Mobile Developer | Zipperline: Ski Video Analysis | Aug 2025 - Present | Freelance

Developed a cross-platform ski video analysis app with native iOS and Android clients, backend infrastructure, payment integration, and self-hosted deployment environment.

- Built a production-ready native iOS app using Swift/SwiftUI with real-time pose detection (MediaPipe)
- Developed the native Android version of the app using Kotlin/Jetpack Compose, replicating and extending core features for the Android ecosystem
- Implemented subscriptions and in-app purchases with secure OAuth authentication (iOS App Store & Google Play Billing)
- Developed real-time backend services with TypeScript + Convex for synchronization and user management
- Deployed and managed self-hosted infrastructure on Hetzner using Coolify

Stack: Swift, SwiftUI, Kotlin, Jetpack Compose, MediaPipe, OAuth, In-App Purchases, TypeScript, Convex, Coolify (self-hosted), Hetzner

Full Stack Developer | UNICEN Health Department | Jan 2024 - Oct 2024 | University Project (Thesis)

- Led backend architecture and development of a clinical management system for the university's health department, used by students and medical staff
- Designed secure REST APIs with Spring Boot and Spring Security, implementing role-based access control
- Modeled medical records and appointment scheduling with PostgreSQL and Hibernate/JPA
- Wrote unit and integration tests and managed deployment, configuring the production server and database from scratch
- Replaced paper-based workflows with a fully digital system, improving record access and reducing scheduling conflicts

Stack: Java, Spring Boot, Spring Security, Hibernate, JUnit, Mockito, PostgreSQL, Apache Server, TypeScript, Angular, PrimeNG

EDUCATION

Bachelor's Degree in Software Engineering

National University of Central Buenos Aires | Apr 2020 - 2025

University Programmer Analyst

National University of Central Buenos Aires | Apr 2020 - Nov 2023

Intermediate Degree in Software Engineering