

MAXIMILIANO MORERO

Software Architect | API Integration & Microservices Architecture

Vitoria-Gasteiz, Spain · +34 666 695 526 · maximorero14@gmail.com · linkedin.com/in/maximorero14

PROFESSIONAL PROFILE

Software Architect with 10+ years of experience designing and integrating API platforms and microservices architectures in the fintech and international payments sector, handling high transactional volume. I currently lead, as Architect, the payment core (payin, payout, and balances) of a cross-border payments platform, with sole responsibility for crypto integrations, working at the center of the architecture alongside the data and observability teams. Throughout my career I have led API migrations, third-party integrations through open platforms, and the fulfillment of SLAs and KPIs in critical environments.

AREAS OF SPECIALIZATION

Integration architecture: Design and integration of REST APIs, payment core architecture (payin, payout, balances), crypto integrations

Microservices: Microservices and distributed systems architectures, vertical scaling of teams and platforms

Data & observability: Cross-functional collaboration with data and observability teams

Security & governance: Security standards, SLAs, and KPIs on high-criticality payment core APIs

Cloud & DevOps: AWS (EC2, ECS, SQS, SNS, Athena, RDS), Azure, Docker, CI/CD, SonarQube

Artificial Intelligence: AI-first strategy, internal assistants with MCP (Model Context Protocol), AI-for-development training

Technical leadership: Engineering team leadership, building new teams, and collaboration with external integrators

PROFESSIONAL EXPERIENCE

Software Architect — Localpayment

February 2023 – Present · Team of 3 · Remote

Localpayment is a payments platform (fintech) that enables cross-border collections and payments in emerging markets through a single API, allowing merchants to accept 640+ local payment methods, transfers, and digital wallets across 17+ countries.

- **Payment core architecture:** designed and evolved the platform's payin, payout, and balance-management flows, serving as the central point of the architecture alongside the data and observability teams.
- **Observability:** designed and implemented the company's first real-time monitoring and alerting system — previously nonexistent, with customer complaints as the only error signal — enabling proactive incident detection before it impacts customers.
- **Event-driven architecture:** led the migration of the payment core to an event-driven architecture (SNS/SQS), eliminating message loss and balance inconsistencies.
- **Crypto integrations:** sole owner of the design and integration of the platform's cryptocurrency connections.
- **CI/CD:** designed the company's continuous integration and deployment pipeline, reducing release cadence from every two weeks to daily deployments.
- **AI transformation:** active driver of the company's AI-first strategy, leading the creation of internal assistants with MCP endpoints and organizing AI-for-development training sessions for the engineering team.
- **Technical leadership** of a team of three, within an engineering organization that grew from 15 to 30 people since I joined in 2023.

Technologies: Java, AWS (EC2, ECS, SQS, SNS, Athena, RDS), Azure, Docker, CI/CD, DataDog, Grafana, Tempo, SonarQube, MCP.

Software Engineer III — Dlocal

February 2022 – February 2023 · 1 year

Dlocal is a cross-border payments fintech connecting global merchants with emerging markets, operating in 40 emerging markets.

- Payment platform: developed and maintained the payments API, integrating multiple payment methods.
- Databases & performance: managed multiple database systems, optimized API performance, and ensured transaction security.
- Customer tooling: designed new features focused on the customer experience.

Technologies: Golang, MySQL, SNS, SQS, Git, Docker, New Relic, REST APIs, OpenSearch, CloudFormation, EC2, S3, Kinesis, ECS.

Software Engineer → Team Leader — Mercado Libre / Mercado Livre

October 2016 – January 2022 · 5 years 4 months · Argentina - Brazil

Mercado Libre processes more than 2 million purchases a day and is the largest company in LATAM; in 2021 its payments API processed US\$44 billion.

- External integrations: built on an open API platform, supporting integrators across LATAM and creating features for their adoption.
- Migrations: migrated multiple APIs to new technology stacks.
- Microservices: drove the team's vertical growth through the creation of microservices.
- Security & quality: bug fixes, feature development, and vulnerability management on the payments core API, meeting SLAs, KPIs, and security standards.
- Team leadership: built and led a new 10-person team in Brazil, replicating the scope of the Argentina team.

Technologies: Oracle, Hibernate, Spring, Groovy, Grails, Java, Golang, Python, AWS, Elasticsearch, REST APIs, Git, CI/CD, Jenkins, Docker, Tableau, DataDog, New Relic, JMeter, CloudFormation, Lambda, RabbitMQ, IAM, EC2, S3, Kinesis.

Full Stack Software Developer — RunalD

October 2015 – October 2016 · 1 year · San Luis, Argentina

Software factory serving multiple clients.

- Full stack development: websites for various companies, from project kickoff to production launch.

Technologies: MySQL, Oracle, Groovy, Grails, Java, Angular, CSS, Bootstrap, JavaScript, jQuery, Git, Heroku Cloud.

EDUCATION

Master's in Blockchain Engineering and Development — EBIS University

In progress

Software Development Technician — Universidad de la Punta

2012 – 2015

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate
- AWS Certified Developer – Associate
- Data Science Certification – Acámica (2021)

LANGUAGES

- Spanish — Native
- Portuguese — C1
- English — B1