Victor Martinez Montané

Senior Software Engineer

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Native: Spanish · Catalan · English | **Fluent:** Italian

I'm a Senior Software Engineer with 5+ years building robust, production distributed systems in **Rust** and **Elixir**, specializing in API development and systems integrations, as well as extracting legacy monoliths into resilient, fault-tolerant **microservices**. I have deep experience with async **Rust**, **gRPC**/**Protobuf** API design, and **Elixir**'s **OTP**/**BEAM** for concurrent, fault-tolerant systems. I'm comfortable owning architecture decisions end-to-end, from service design through delivery and high-resolution observability.

Professional Experience

Prima Assicurazioni — *Remote*

Senior Software Engineer — *Jul 2026 -- Present*

- Led development of an installment scheduler letting customers split policy payments into monthly rates. Rust Tokio Apalis Postgres Hexagonal Architecture Kafka

Software Engineer — *Jun 2022 -- Jul 2026*

- Led the extraction of the Policy Management domain from a legacy monolith into a dedicated microservice, overseeing CI/CD, gRPC APIs and integrations. Rust gRPC Microservices Kafka
- Pioneered internal gRPC adoption: defined Protobuf APIs, published Rust and Elixir client libraries, built tested gRPC services with tracing. Rust Elixir Protobuf
- Maintained Claims Payments services and third-party API integrations: CQRS and event sourcing in Elixir, anti-corruption layers in Rust. Elixir Rust
- Led the rebuild of a distributed email ingestion engine, with hexagonal architecture and Datadog observability. Rust Postgres RabbitMQ OpenTelemetry
- Worked end-to-end on the Spanish insurance launch; added automated testing for LiveView and Elm. Elm Rust TypeScript GraphQL Event-sourcing CQRS

TalentBait — *Remote, Barcelona*

Full Stack Developer — *Sep 2021 -- Jun 2022*

- Led the move from a legacy monolith to microservices while maintaining and scaling it; added integration testing and Datadog monitoring. Node.js Firebase Microservices OpenTelemetry
- Built resilient, secure integrations with social media ad platforms to automate ad campaigns

Security Union — *Remote*

Backend Engineer — *Nov 2020 -- Sep 2021*

- Implemented the cross-platform user invitation system for Armore App, an open-source, E2E encrypted location-sharing app with 10k+ users, delivered in under 3 weeks. Android iOS Rust

Independent Projects

Arca -- Smart Locker System (arca.bot)

Collaboration with Arca's founders — *2024 -- 2025*

- Refactored Arca's firmware entirely, redesigning it for easier maintainability and testing and increasing efficiency by parallelizing more of its internal processes; implemented the vibration-based alarm system. Elixir Nerves
- Built the companion web app and shipped on-the-fly updates as an early Beta adopter. Elixir Phoenix LiveView

Education

Assembler Institute of Technology — *Barcelona, Spain*

Bootcamp in Software Engineering (Fullstack) — *Jun 2020 -- Feb 2021*

Universitat de Lleida — *Lleida, Spain*

Bachelor's in Computer Science (2 of 4 years) — *Sep 2018 -- May 2020*