

Rodrigo Roque

Senior · Staff Software Engineer / Specialist

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SUMMARY

Senior software engineer with 10+ years in backend and **distributed systems**, currently at **Itaú Unibanco** (Investment Solutions). I act as a technical reference for mission-critical, high-volume systems: I define **event-driven architecture**, raise reliability with **SRE** practices, and multiply the team through mentoring, code review, and spreading standards across the engineering community. My path spans payment fintech, SaaS, and the largest private bank in Latin America, with **Java**, **Python**, and **AWS**. I built an engineering team from scratch, led squads, and cut cloud costs by 35%. I am looking for a **Staff Engineer / Specialist** role, driving high-impact technical decisions.

PROFESSIONAL EXPERIENCE

Senior Software Engineer

Apr 2025 – Present

Itaú Unibanco · São Paulo, Brazil · Hybrid

I build solutions for the Investor Profile / Suitability domain within the Investment Solutions community, using Java and Python on an event-driven architecture on AWS.

- **Modernization:** migrating legacy systems to AWS, evolving service architecture with IaC (Terraform), containerization (Docker/Kubernetes) and CI/CD pipelines (GitHub Actions).
- **Reliability:** SRE practices with end-to-end observability via Datadog (logs, metrics, traces), SLOs, resilience and incident response.
- **Integrations:** design and implementation of event-driven integrations with Kafka and internal APIs.
- **AI:** research and PoCs of AI applied to the business and the development lifecycle, plus fostering AI tooling for team productivity.
- **Stakeholders:** translating business requirements into feasible technical solutions and sharing knowledge across the engineering community.

Tech Lead

Sep 2024 – Apr 2025

Itaú Unibanco · São Paulo, Brazil · Hybrid

I led the Portfolio Review squad within the Investment Solutions community, developing with Java and Python on AWS infrastructure.

- **Technical leadership:** architecture decisions, code review and team mentoring, ensuring quality and standardized delivery.
- **Business & engineering:** acting as a bridge in the technical refinement and prioritization of the squad's demands.
- **Observability:** implementing monitoring practices with Datadog for production services.

Tech Lead

Mar 2024 – Sep 2024

EntrePay · São Paulo, Brazil · Hybrid

I built the engineering team from scratch and established the company's technical culture, defining code review, CI/CD, automated testing and observability processes.

- **Cost reduction:** 35% decrease in cloud costs by optimizing infrastructure resource allocation.
- **Open source culture:** rollout of an observability and DevOps stack (GitLab, Grafana, Prometheus, OpenTelemetry, Sentry), eliminating licensing costs.
- **Technical documentation:** organizing projects with diagrams and ADRs, reducing onboarding time for new de-

velopers.

- **People:** 1:1 cycles, retrospectives, technical career planning and knowledge-sharing workshops.

Senior Software Engineer

Jul 2021 – Dec 2023

Arquivei • São Carlos, Brazil • Remote

I worked on the agile delivery of MVPs to validate business hypotheses, while also acting as technical lead and reference for the development team.

- **PIX payments:** built a Node.js/TypeScript API for PIX payments with Open Finance, processing a base of ~2 billion tax documents to generate cash-flow insights.
- **Receivables anticipation:** from architecture to validation — REST API in PHP (Laravel) with OpenAPI, GraphQL BFF (Apollo), React frontend and infrastructure on Kubernetes/GCP.
- **Observability:** monitoring with Prometheus and Grafana, increasing visibility into production service health.
- **Knowledge sharing:** presenting new technologies, design patterns and architecture (DDD, hexagonal architecture) to the engineering team.

Senior Backend Developer

Apr 2020 – Jun 2021

Talentify • Windermere, FL / Barueri, Brazil • Remote

I developed integrations for the job-capture engine — the company's main revenue source — in a fully remote, international environment.

- **Job aggregator:** integrations via APIs and web crawlers keeping ~1 million active job postings simultaneously in the database.
- **Engineering:** PHP microservices with hexagonal architecture, TDD and SOLID principles, ensuring reliability of the critical revenue flow.
- **Practices:** event-driven architecture, code review, CI/CD and Docker in a continuous delivery pipeline.

Mid-level Backend Developer

Aug 2019 – Apr 2020

Lumanai • São Paulo, Brazil • Hybrid

I built products in an agile team (Scrum), refining stories and collaborating within larger teams.

- **Exchange platform:** migrating a legacy CRM application to a new architecture (PHP/Laravel API + Vue.js frontend) with no downtime for customers.
- **Financial system:** maintaining and evolving the company's financial management system in Python/Django.

Fullstack Developer (Intern)

Jul 2017 – Mar 2019

d'hire — Executive Search Marketplace • Rio de Janeiro, Brazil • Remote

- Built APIs in PHP/Laravel and web interfaces in Vue.js for an executive search marketplace.
- Maintained Java (Spring MVC) and Angular.js applications in production.
- Cloud deployments using AWS services.

Support Intern

May 2016 – May 2017

UNIFEI — Federal University of Itajubá • Itajubá, Brazil • On-site

- Implemented and customized features on the Moodle platform and the institutional website (Joomla) in PHP.
- Supported department staff and student platform users.

Development Intern

Apr 2015 – Apr 2016

CVS Sistemas • Itajubá, Brazil • On-site

- Developed and maintained web applications with PHP, HTML, CSS and JavaScript (jQuery).
- Maintained computer networks and provided user support.

SKILLS

Software Architecture (DDD, hexagonal, microservices, event-driven) · **Distributed Systems** · **Java** · **Python** · **AWS** · **SRE** · Observability (Datadog, Grafana, Prometheus, OpenTelemetry) · **Kafka** · Terraform · Docker · Kubernetes · GitHub Actions · CI/CD · Spring · REST APIs · GraphQL · SQL · Git · Linux · Applied AI · Technical Leadership · Mentoring · Agile (Scrum) · Node.js · TypeScript · PHP

EDUCATION

B.Sc. in Computer Science	2015 – 2019
UNIFEI — Federal University of Itajubá	
Technical Diploma in Information Technology	2013 – 2015
Senac Minas	
Technical Diploma in Computer Networks	2013 – 2014
Senac Minas	

LANGUAGES

Portuguese	Native
English	Intermediate — strong technical reading and writing