

Rafael Ribeiro da Silva

Lead / Staff Software Engineer

Backend & Platform · Go · Python · Ruby · Node.js

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PROFILE

Hands-on software engineering leader with 18+ years of documented experience. I build backend products and platforms with the reliability, delivery, cloud, and operational perspective required to make them work in production.

01 Selected engineering impact

MILLENNIUM BCP · PRODUCT BOOTSTRAP PLATFORM

Complete product stacks, created automatically in the cloud.

I developed a platform that provisioned dependencies and reproducible Development, QA, Staging, and Production environments.

70% faster starts 85% faster releases

Go · PostgreSQL · Redis

ESTANTE VIRTUAL · SOFTWARE MODERNIZATION

From a Perl monolith to independent Ruby on Rails services.

I led architecture, domain decomposition, data migration, and development of the new services with PostgreSQL per service.

Result: lower coupling and independent evolution and release, accelerating new solutions and improvements.

Ruby on Rails · PostgreSQL

02 Core expertise

Development

Go, Python, Ruby, Node.js

Data and messaging

PostgreSQL, MySQL, MongoDB, Redis, RabbitMQ, NATS

Engineering

Distributed systems, APIs, product architecture, automation

Operations

SRE, DevOps, cloud, CI/CD, observability, reliability

Architecture

Domain decomposition, platforms, autoscaling, security

Leadership

Technical direction, delivery ownership, mentoring, Agile

03 Experience

Co-Founder & Software Engineer · GacTec

Jun 2020 – present

End-to-end ownership of product and engineering strategy, from conception, architecture, and implementation to data, infrastructure, release, and ongoing operation.

- Built Cointábil, PalmBites, PalmBills, and StreetSlopes across web, backend, platform, and native mobile stacks.
- Led a multidisciplinary team of eight engineers and designers across the full delivery lifecycle.
- Designed complete ecosystems, led client deliveries, and introduced Agile workflows.

DevOps Specialist · Millennium bcp

Nov 2023 – May 2026

Developed internal products for cloud orchestration and automated infrastructure delivery, including the Product Bootstrap Platform highlighted above.

System Reliability Engineer · Algometric

Nov 2022 – Oct 2023

Built a secure multi-cloud environment for encrypted data and multi-party computation, with private routes and high-performance communication between providers.

04 Experience, continued

SRE Coordinator · **Afterverse**

Jul 2021 – Nov 2022

Led reliability for thousands of game servers across eight countries and four continents, balancing player experience, availability, performance, observability, and cost.

SRE / DevOps Engineer · **Descomplica**

Jun 2020 – Feb 2021

Helped design and build the AWS foundation for Faculdade Descomplica, including scalable infrastructure, CI/CD, and observability for thousands of students.

SRE / DevOps Specialist · **Stone**

Oct 2019 – May 2020

Worked on the migration of critical payment infrastructure from on-premise systems to a secure multi-region cloud architecture with high availability and disaster recovery.

Tech Leader / DevOps · **Estante Virtual**

May 2015 – Apr 2019

Led the software modernization highlighted on page one and established automated delivery, integration testing, autoscaling, observability, security, and cloud cost discipline.

Senior PHP Developer / SysAdmin · **Eguana Soluções**

May 2012 – Apr 2015

Built PHP systems and managed AWS server architecture, autoscaling, and web runtimes including Apache, IIS, nginx, and Node.js.

DevOps Engineer, Vertigo Tecnologia · Aug–Oct 2019

DevOps Engineer / Software Developer, Independent · Apr–Aug 2019

PHP Developer, Portal Teleguia · Dec 2011–Mar 2012

PHP Developer, West Internet Banda Larga · Jul 2008–Jan 2010

05 Products built end-to-end

01	Cointábil	Monthly accounting operations for Portugal, from collection and fiscal validation to reconciliation and auditable closing.	Go · Next.js · PostgreSQL · NATS
02	PalmBites	Direct digital commerce and multi-channel operations for food businesses.	Go · Next.js · PostgreSQL · Redis
03	PalmBills	Native, private Portuguese invoice and expense management.	SwiftUI · Jetpack Compose
04	StreetSlopes	Worldwide map and community platform for street riders and creators.	Go · Next.js · PostgreSQL · OpenStreetMap

LANGUAGES

Portuguese	English
Native	Advanced

EDUCATION

Data Analysis and Development
Universidade Estácio de Sá · 2016–2018

Computer Technician
Escola Técnica Cândido Mendes