Rodrigo Cacilhas



Principal System Programmer | Core Infrastructure Specialist

20+ Years of High-Complexity Backend & System Engineering

Location: Brazil (remote-ready for global rules)
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Executive Summary

I am a high-skilled Autistic person with over 20-year software development experience. Unlike production-focused developers, I specialise in the **logical "engine room"** of software – building the high-performance, low-latency infrastructure that powers modern applications. I thrive in environments where technical complexity is high, logic is rigorous, and "clean code" is a requirement, not a suggestion.

- **Core Competency**: Translate abstract, high-level logic into efficient, deterministic code.
- **Cognitive Edge**: as an autistic professional, I offer exceptional pattern recognition and a relentless focus on architecture integrity and edge-case resolution.

Strategic Technical Stack

- **Low-level & Performance (The "Speed" Stack):** Rust, Python, Cython, Go, Lua
- **Functional & Academical Logics (The "Complex System" Stack):** Scala, Scheme, Prolog, Smalltalk, Tcl/Tk, PCRE
- **Infrastructure & Data Kernels:** AWS, PostgreSQL, MongoDB, Redis, RabbitMQ, Redis, SurrealDB, Podman (serviceless equivalent to Docker), Kubernetes
- **System Environments:** Ubuntu, Debian GNU/Linux, Arch Linux, macOS

Professional Experience

Founding Partner
Cacilhas Serviços de Tecnologia
Jan 2021 – Present
Três Rios, RJ, Brazil

Implementing low-latency, high-performance systems and leading the company.

Python Developer
Trustle
Sep 2025 – Feb 2026
Los Altos, CA, USA (remote)

I focused on solving typing issues in Python code using Claude Code AI agent.

Senior Software Developer
Omnitax.AI
May 2024 – Ago 2025
São Paulo, RJ, Brazil (remote)

I solved a complex implementation problem in a Java agent framework. Development of a high-performance, low-latency tax and issuer system, using of AI to solve complex tax calculations.

Freelance Writer
It's FOSS
Mar 2024 – Mar 2024
Freelance (no physical office)

I wrote some articles for It's FOSS.

Scala Developer
Atscale
Sep 2023 – Dec 2023
San Mateo, CA, USA (remote)

I just fixed some bugs in the Scala codebase.

DevOps Engineer
Upscope Co-browsing
Jun 2022 – Aug 2023
London, UK (remote)

I optimised company's AWS infrastructure for high-performance and low-latency.

Technical Leader
ContabilOne
Jan 2022 – Jun 2022
Rio de Janeiro, RJ, Brazil (remote)

I designed and led the development of the company's core codebase, a high-performance, low-latency system.

Senior Development Analyst and Lead Developer
Nexaas
Mar 2018 – Dec 2021
Rio de Janeiro, RJ, Brazil

I implemented the company's authenticator and started the project which evolved into ContabilOne.

Senior Software Programmer
B2W Digital / Bit Services
Jul 2015 – Feb 2018
Rio de Janeiro, RJ, Brazil

I worked on a high-performance scoring system, fixing bugs, improving its infrastructure, optimising the codebase, and implementing nodes for new a higher architecture complexity.

Python and Cython Developer
SIEVE Pricing
Oct 2014 – May 2016
Rio de Janeiro, RJ, Brazil

I solved a complex tokenisation problem and created a fetching language to make it easier for non-programmers to create scraping recipes.

System Manager
Myfreecomm
2009 – Oct 2014
Rio de Janeiro, RJ, Brazil

I design and implemented a high-performance, low-latency MongoDB cluster, implemented the company's infrastructure, and implemented several financial systems for businesses and for final users. *My team used to be called "The Unix Guys."*

Older Jobs

- **Mid-Senior Java and C++ Developer** (Automatos), Aug 2007 – 2009
- **Lua Developer** (Kepler Lab / Kepler Project), Jan 2007 – Aug 2007
- **I.T. Infrastructure Consultant** (Prefeitura Municipal de Petrópolis), 2004 – 2006
- **Infrastructure Support Analyst** (Quatra Telecom), 2003 – 2006

Education

BTech in Information Technology
Instituição FAETERJ-Petrópolis
2005 – 2010

- Reintegrated in 2017
- Thesis defended on Dec 2018
- Completed in Dec 2018