

RICARDO PONTES DANTAS

Backend Software Engineer | Tech Lead

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[LinkedIn](#) · [Portfolio](#)

Professional Summary

Backend-focused Software Engineer with 7 years of professional experience building and maintaining web applications, primarily using Node.js, JavaScript, and Express.

I started my career working mostly on frontend development with JavaScript and Webpack, along with occasional maintenance work on Laravel applications. Over the past few years, I have shifted my focus toward backend engineering, building APIs in JavaScript and TypeScript, working with relational and non-relational databases, implementing Redis caching, writing automated tests, using Docker, and automating deployment workflows.

I currently also work as a Tech Lead, conducting code reviews, supporting other developers, contributing to sprint planning, making technical decisions, and handling the investigation and resolution of production issues.

Professional Experience

Audima — Backend Software Engineer / Tech Lead

September 2019 — Present | Rio de Janeiro, Brazil

- Built two Node.js and Express APIs from scratch. One, written in JavaScript, collects and updates product usage statistics and processes more than 3 million records per month. The other, written in TypeScript, supports an accessibility product and integrates MariaDB, Redis, and external AI services.
- Designed and implemented the main application flows for these APIs, including layered architecture, business logic, persistence, SQL queries in MariaDB, indexing, and Redis caching to reduce repeated database access.
- Optimized a MongoDB query used by a statistics dashboard, reducing execution time from approximately 5 minutes to around 20 seconds.
- Refactored the code responsible for creating and dispatching background jobs with Laravel and Beanstalkd, applying the Strategy and Factory patterns to organize multiple providers. The observed failure rate decreased from approximately 8% to 2% after the change.
- Led frontend performance optimization initiatives, including reducing the initial bundle size of a React application by approximately 91% and implementing on-demand loading in another Webpack-based product.

- Implemented CI/CD automation to run tests, build and publish Docker images, update workloads through the Rancher API, and execute Cloudflare-related deployment tasks when needed.
- Work directly with production systems, handling deployments, rollbacks, regression investigation, change analysis, and emergency fixes.
- As Tech Lead, conduct code reviews and approve pull requests, support other developers, contribute to sprint planning and prioritization, and make technical decisions for new features when no established implementation pattern exists.
- Use Claude Code as part of the development workflow for task and code analysis, planning, implementation, refactoring, testing, and review.

Education

Postgraduate Degree in Full Stack Development

Pontifical Catholic University of Rio de Janeiro — PUC-Rio

Expected completion: October 2026

Postgraduate Degree in Systems Analysis and Design

Pontifical Catholic University of Rio de Janeiro — PUC-Rio

2013 — 2015

Bachelor's Degree in Information Systems

UniCarioca

2006 — 2009

English Language Program — Book 10/10

BRASAS English Course

2022 — Present

Technical Skills

- **Backend:** Node.js · JavaScript · TypeScript · Express.js · Laravel · REST APIs
- **Databases and Caching:** MongoDB · MariaDB · SQL · Redis
- **Testing and Quality:** Jest · Supertest · Unit Testing · Integration Testing
- **Frontend:** React · JavaScript/JSX · React Router · HTML5 · CSS3 · Webpack · REST API Integration
- **Containers, CI/CD, and Operations:** Docker · Docker Compose · Git · GitHub · Bitbucket Pipelines · Rancher
- **AI and Integrations:** Claude Code · OpenAI APIs · Azure AI Services · AI-assisted Development
- **Practices and Architecture:** Clean Code · Layered Architecture · Repository Pattern · Strategy Pattern · Factory Pattern

Certifications

- **Claude Code 101** — Anthropic, 2026
- **Claude 101** — Anthropic, 2026
- **Introduction to Subagents** — Anthropic, 2026
- **JavaScript Expert** — Erick Wendel Academy, 2025
- **Intermediate English Certificate** — BRASAS, 2025
- **Data Structures and Algorithms** — Ada Tech, 2024
- **JavaScript Masterclass** — Branas.io, 2024
- **Clean Code & Clean Architecture** — Branas.io, 2023

Languages

- **Portuguese** — Native
- **English** — Advanced