

Tiago Portilho

Full Stack Developer · Node.js | TypeScript | JavaScript | React

Limeira, São Paulo, Brazil · +55 19 99611-8416 · tiagoportilho52@gmail.com
linkedin.com/in/tiago-portilho-945695298 · github.com/TiagoPortilho

Professional Summary

Full Stack Developer with 3+ years of professional experience building scalable APIs, distributed systems, and CI/CD pipelines using Node.js and TypeScript. Lead developer behind a corporate SSO ecosystem of 9 integrated services — architected, built, and deployed end-to-end with automated CI/CD via GitHub Actions, digitalizing the company's entire internal operations and saving ~29 hrs/month in process overhead across management and financial reconciliation. Strong stakeholder management throughout — maintained consistent communication with leadership on project progress and technical decisions. Proficient with PostgreSQL (with Row-Level Security), Redis, MongoDB, Prisma ORM, Docker, and React. Designed a multi-agent quality gate system using the Claude API to automate quality gates and replace manual review cycles. Seeking remote roles with international engineering teams; async-first and comfortable across time zones.

Professional Experience

Full Stack Developer | Wissens Forte Technologies

Remote · Feb 2023 – Present

Corporate software company · internal tooling & process digitalization

Key project: OneHub — Corporate SSO & Internal App Ecosystem

- **Lead developer and technical owner of the OneHub platform** — drove architecture, implementation, and delivery end-to-end across a corporate SSO ecosystem of 9 services in production (Node.js back-ends + React front-ends); maintained ongoing stakeholder communication with leadership throughout; collaborated with a senior engineer on specific technical decisions during final stages. Digitalized the company's entire internal operations, forming the foundation for the company's process structure and eliminating operational risks from spreadsheet-based control.
- Designed and implemented a centralized authentication service with SSO, 2FA, session management, rate limiting, and token lifecycle control — eliminating the need for separate login systems across all internal apps.
- Built a cross-service RBAC system (roles, permissions, user-app access) with a full admin panel, giving management direct control over user permissions without developer intervention.
- Developed three internal business applications — **ClockWorks** (time tracking & approval workflows; generates PDF payroll reports delivered by email, replacing manual spreadsheet-based hour control), **FortePay** (expense reimbursements), and **Orion** (support ticketing) — each with independent Node.js back-end and React front-end.
- Led system design and standardized architecture across all services: layered Controller → Service → Repository pattern, input validation, security middleware, and structured error handling.
- Containerized all services with Docker and deployed to a self-managed VPS with automated CI/CD via GitHub Actions — on every push to master, a pipeline deploys via SSH, rebuilds containers, validates and reloads the Caddy reverse proxy, and stamps a version label from the commit timestamp.
- Designed a multi-agent quality gate system using the Claude API — specialized agents (security auditor, regression tester, migration reviewer, worker integrity checker, secret detector) with model selection per cost-risk tradeoff (Opus for full audits, Sonnet for incremental checks, Haiku for mechanical checklists); integrated into the development workflow across back-end, workers, and database migrations.

Other projects

- Developed a Python automation solution to parse and normalize SAP-exported Excel datasets — reduced a manual data preparation process from ~2 hours to under 10 minutes (an 83% time reduction), eliminating recurring bottlenecks for the finance team and improving analysis accuracy.

- Designed and delivered an NFSe (Electronic Service Invoice) consultation API using .NET and MySQL, enabling automated fiscal document retrieval for internal accounting workflows.
- Currently building FiscalHub — a new Wissens Forte platform for multi-tenant fiscal document processing, using Node.js, TypeScript, BullMQ async workers, Prisma ORM, PostgreSQL with row-level security, and a multi-agent CI quality gate system.
- Worked across PostgreSQL, MySQL, and MongoDB; maintained version control using Git; performed bug fixing, refactoring, and performance tuning on live systems.

Full Stack Developer (Freelance) | ZFlex Selantes Técnicos

Limeira, Brazil · Oct 2023 – Present

Industrial sealants manufacturer · client-facing institutional website

- Built and maintain a production institutional website using Node.js, EJS, CSS, and JavaScript, with continuous uptime via Docker and Google Cloud Run — increased inbound business contacts for the client in the local region and serves as the primary product information channel, enabling customers to learn about offerings before and after purchase.
- Delivered ongoing feature improvements and front-end optimizations aligned with client branding and business needs.
- Sole developer managing deployment, hosting configuration, and all technical support.

Technical Skills

Main stack: Node.js · TypeScript · JavaScript · Express.js

Back-End: REST API Design · Authentication (SSO, 2FA, RBAC) · Prisma ORM · Redis · BullMQ

Front-End: React.js · EJS · HTML · CSS · Vite

Databases: PostgreSQL · MongoDB (GridFS) · MySQL

DevOps / Cloud: Docker · GitHub Actions (CI/CD) · VPS · Caddy · Google Cloud Run · Git

Other languages: Python · Java · .NET (working knowledge)

Architecture: Microservices · Layered Architecture · Clean Code · SOLID · ES Modules · Row-Level Security (RLS) · API Integration · Scalable Systems

Practices: Stakeholder management · Cross-functional collaboration · Agile / Scrum · Async-first remote work · Technical ownership · Performance optimization

AI tooling: Designed and implemented a multi-agent quality gate system using Claude API (Opus / Sonnet / Haiku) — automated quality gates covering security auditing, regression testing, migration review, worker integrity, and secret detection; replacing manual test cycles with model selection per cost-risk tradeoff

Education

Technical Degree in Software Development (TDS)

SENAC – Brazil · Completed Oct 2025

- **Final project — ServEasy:** full-stack restaurant management system built with Java, Spring Boot, MySQL, Spring Security, Swagger/OpenAPI, and Docker; covering order management, kitchen workflow, inventory, and an admin dashboard. github.com/TiagoPortilho/ServEasy
- Relevant coursework: Agile methodologies (Scrum/Kanban), SOLID principles, Design Patterns, Software Testing (unit, black-box/white-box), REST API development, OOP (Java), Database modeling & administration, UX/UI design, Git/CI.

High School Diploma · Colégio Barão de Limeira — Limeira, Brazil · 2025

Languages

Portuguese Native **English** Upper-Intermediate (B2)