

Thomas B. Verderesi

Fullstack Software Engineer

Name: Thomas B. Verderesi

Title: Fullstack Software Engineer

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Website: <https://tverderesi.dev>

LINKS

LinkedIn: <https://www.linkedin.com/in/tverderesi/>

GitHub: <https://github.com/tverderesi>

Website: <https://tverderesi.dev>

PROFESSIONAL SUMMARY

Full-stack software engineer with experience designing, building, and modernizing complex web systems across backend, frontend, architecture, reporting, internal platforms, and data-heavy applications. I work with a senior engineering mindset: connecting implementation with product goals, clarifying trade-offs, improving service boundaries, reducing architectural debt, and building systems that are reliable, maintainable, and easier to evolve.

EXPERIENCE

EBANX - Mid Software Engineer

Curitiba - PR, Brazil / Remote | CURRENT

Work on financial, operational, and reporting systems, contributing across backend services, frontend modernization, BFF APIs, data exports, permissions, multi-tenant flows, metadata tracking, automated testing, and legacy system modernization.

- Designed and implemented backend APIs and BFF layers for reporting and operational systems.
- Worked on report generation, file download flows, metadata tracking, permissions, and multi-tenant behavior.
- Improved architecture by defining clearer service boundaries, separating domain logic from framework concerns, and reducing coupling in legacy systems.
- Contributed to frontend modernization using React and TypeScript, including component-based interfaces, form flows, validation, and query-driven UIs.
- Improved automated test coverage and reliability across controllers, services, integration points, and report-processing flows.
- Worked with Elasticsearch-backed metadata tracking to improve traceability and observability of business processes.

Technologies: Ruby, Ruby on Rails, React, TypeScript, JavaScript, PostgreSQL, Elasticsearch, REST APIs, RSpec, Jest, Docker, Webpacker

Quadritech Tecnologia - Full-stack Software Engineer II

Curitiba - PR, Brazil | MAY/2023 - JAN/2024

Work on specialized web systems for public-sector and regulated environments, contributing across architecture, backend, frontend, databases, design systems, documentation, and technical direction.

- Led the end-to-end development of a written test management platform used in the driver's license process in Pará, Brazil.
- Owned documentation, use cases, architecture, database modeling, Design System selection, frontend development, backend development, and technical direction.
- Evolved the written test platform from Proof of Concept into a production system used in a real public-service process.
- Contributed to a biometric registration and identification system with web, desktop, and mobile components.
- Improved performance, modularity, maintainability, and code organization in the biometric system's web component.
- Delivered an approximately 90% performance improvement in the biometric system's web component.

Technologies: Express, React, Bootstrap, REST APIs, MySQL, Laravel, PHP, Yii Framework 2, JavaScript, CSS

tverderesi.dev - Freelance Full-stack Software Engineer

Curitiba - PR, Brazil / Remote | SEP/2022 - CURRENT

Design and build web applications, prototypes, landing pages, and product experiments, working across frontend, backend, architecture, deployment, and product decisions.

- Built full-stack applications using React, TypeScript, Node.js, GraphQL, MongoDB, and serverless deployment platforms.
- Designed frontend architectures, reusable UI structures, and data models for product-driven web applications.
- Built a complete social network application with authentication, posts, comments, likes, profile editing, profile deletion, and profile picture functionality.
- Developed product prototypes and PWAs focused on learning management, gamification, accessibility, and user experience.
- Created a portfolio website and client-facing SPA projects using modern frontend tooling and deployment workflows.

Technologies: TypeScript, React, Node.js, MongoDB, GraphQL, Apollo, Astro, TailwindCSS, Semantic UI, AWS Lambda, Vercel

Dord English School - Founder and Server Maintainer

Curitiba - PR, Brazil / Remote | MAR/2020 - MAY/2022

Founded and supported an online-first business English school, handling educational technology, Moodle infrastructure, staff training, and operational tooling.

- Deployed and maintained a Moodle server on Google Cloud Platform with minimal operational cost.
- Configured Compute Engine infrastructure, backup routines, and Google OAuth2 login for students and teachers.
- Created a structured question-bank tagging system to improve educational content organization.
- Trained teachers on Moodle usage, question creation, cohorts, tests, tagging, and data-entry practices.
- Produced documentation and video lessons to support future staff onboarding.

Technologies: Google Cloud Platform, Compute Engine, Moodle, PHP, OAuth2, Microsoft Office, Adobe Premiere

PROJECTS

Online Written Test System

Quadritech Tecnologia

Production platform for applying, managing, and monitoring written tests in the driver's license process in Pará, Brazil.

Technologies: Express, React, Bootstrap, REST APIs, MySQL, Laravel, PHP, Yii Framework 2, JavaScript, CSS

Biometric Identification System

Quadritech Tecnologia

Biometric registration and identification system with web, desktop, and mobile components.

Technologies: Express, React, Bootstrap, REST APIs, MySQL, Laravel, PHP, Yii Framework 2, JavaScript, CSS

Forestask

tverderesi.dev

Gamified PWA and lightweight LMS concept for students and school staff.

Technologies: TypeScript, React, Node.js, MongoDB, GraphQL, Apollo, Astro, TailwindCSS, Semantic UI, AWS Lambda, Vercel

GK Empreendimentos

tverderesi.dev

SPA and CMS-oriented website refactor for a high-end condominium developer.

Technologies: TypeScript, React, Node.js, MongoDB, GraphQL, Apollo, Astro, TailwindCSS, Semantic UI, AWS Lambda, Vercel

Hi World! Social Network

tverderesi.dev

Complete social network built with React, Node.js, MongoDB, and GraphQL.

Technologies: TypeScript, React, Node.js, MongoDB, GraphQL, Apollo, Astro, TailwindCSS, Semantic UI, AWS Lambda, Vercel

Personal Portfolio

tverderesi.dev

Portfolio website for showcasing projects, skills, and professional experience.

Technologies: TypeScript, React, Node.js, MongoDB, GraphQL, Apollo, Astro, TailwindCSS, Semantic UI, AWS Lambda, Vercel

SKILLS

Languages: TypeScript, JavaScript, Ruby, PHP, Python, SQL, HTML, CSS

Frontend: React, TailwindCSS, Bootstrap, shadcn/ui, React Hook Form, Zod, TanStack Query, TanStack Table

Backend: Ruby on Rails, Node.js, Express, Laravel, Yii Framework, REST APIs, GraphQL

Databases & Search: PostgreSQL, MySQL, MariaDB, MongoDB, Elasticsearch

Testing: RSpec, Jest, React Testing Library

Infrastructure & Tooling: Docker, Google Cloud Platform, Webpacker

EDUCATION

Specialization in Gamification

Federal University of São Carlos | MAY/2020 - MAY/2022

Specialization in E-Learning

Federal University of São Carlos | MAY/2020 - MAY/2022

Incomplete Master's in Structural Engineering

Federal University of Paraná | MAR/2017 - SEP/2019

Bachelor's in Civil Engineering

Federal University of Paraná | MAR/2012 - DEC/2016

COURSES AND CERTIFICATIONS

Desenvolve Bootcamp

Grupo Boticário / Alura | JAN/2023 - MAY/2023

Full-stack development bootcamp focused on JavaScript, TypeScript, React, Node.js, SQL, APIs, testing, design systems, and web development fundamentals.

Tech Academy

StartSe University | 2022

Credential ID: 62e293e41aa0ba726fbb04c4

Python para Data Science

Alura | 2022

Credential ID: f33fb405-ffd5-4310-9192-cf05a612864b

EF SET English Certificate — C1 Advanced

EF SET | 2026

English proficiency certificate with score 67/100, equivalent to C1 Advanced.

LANGUAGES

Portuguese: C2 - Native

English: C2 - Native

French: B1 - Basic