

Pietro Piva Vieira

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Back-End Software Engineer

PHP | TypeScript | Golang | Vue.js

I am a professional committed to exchange experience with others, teaching, communication, team-work and high-quality code deliveries. I am seeking a career as a Back-End Software Engineer by learning and exchanging knowledge with other experienced Software Engineers in companies that can help me grow professionally.

PROFESSIONAL EXPERIENCE

Convenia - São Paulo, SP (Remote)

Sep. 2025 - Now

Mid-Level Front-End Software Engineer

- Contribute to the evolution of complex HR management systems through feature development, bug fixes, refactoring, and incremental improvements;
- Support sprint organization, delivery planning, and execution alongside the team;
- Help ensure that deliveries meet the expected timeline, quality standards, and technical requirements;
- Work closely with the Front-End Tech Lead to align implementation decisions with the defined technical direction;
- Contribute to Front-End technical discussions, code quality, maintainability, and architectural consistency;
- Participate in code reviews and promote engineering best practices within the squad;
- Investigate and solve production issues with a focus on stability, performance, and long-term maintainability.

Nelogica - Porto Alegre, RS (On-site)

Sep. 2023 - Aug. 2025

Mid-Level FullStack Software Engineer

- I am the team's technical reference, responsible for introducing new developers to projects, answering questions and teaching them what they need to contribute effectively.
- I work on highly complex projects that involve the complete reconstruction of the company's main administrative system and external system, recreating old functionalities and implementing new ones using modern technologies.
- I take part in technical discussions about features, bug fixes and architectural decisions that impact the present and future of the products I work on.

iTec/FURG - Embrapii - Rio Grande, RS (Remote)

Jun. 2023 - Now

Junior Researcher

- As a Junior Researcher, I am responsible for guiding undergraduate research students in their tasks, assisting with business rules and any questions they may have.
- I also act as a bridge between the Back-End and Front-End teams, ensuring the Front-End team's requirements are implemented on the server side.
- Additionally, I manage the integration and delivery of the Front-End and Back-End projects through GitHub Actions and Azure.

Nelogica - *Porto Alegre, RS (Hybrid)*

L1 FullStack Software Engineer

- Responsible for maintaining and implementing new features on Administrative Systems that comprehend multiple domains.
- I contribute to the architecture and early development of a complete rewrite from our main system.

iTec/FURG - Embrapii - *Rio Grande, RS (Remote)*

Sep. 2022 - Sep. 2023

Junior Back-End Software Engineer

- I was responsible for architecting, modeling and implementing innovative software solutions.
- With more experienced Engineers, I was modeling and building high impact Healthcare softwares with Node.js, TypeScript, NestJS and MongoDB

EDUCATION

Federal University of Pampa (UNIPAMPA) - *Alegrete, RS, Brazil (Remote)*

Master's Degree – Software Engineering, 3 out of 4 semesters.

Universidade Federal do Rio Grande (FURG) - *Rio Grande, RS, Brazil*

Bachelors of Science – Information Systems, graduated in 03/2024.

PROFESSIONAL SKILLS

- Programming Languages: Bash, JavaScript/TypeScript, PHP, C#, Golang, C++
- Back-End: Node.js, Express, Fastify, NestJS, Gin Gonic, Apache Kafka
- SGBDs: PostgreSQL, SQL Server, MongoDB, Redis
- Front-End: SCSS, TailwindCSS, Vue.js, Prime Vue, Vue Router, Pinia
- Mobile: React Native
- Cloud: AWS, Azure
- DevOps: Docker, Docker Compose, GitHub Actions
- Observability: Jaeger
- Software Architecture/Design: C4 Model, Clean Architecture, Domain-driven Design
- Misc.: Git, Webpack, Vite, Vitest, Jest, SuperTest, Figma, sqlc, Prisma, Knex.js
- Languages: English (Advanced)

PROJECTS, ARTICLES AND OTHERS

RouteBastion: Proposal and Performance Evaluation of a Unified API Broker for Vehicle Routing Problems - Article

2026

- Explained the evolution of my project
- Used a consolidated performance evaluation framework to evaluate my implementation
- The paper was accepted at the *28th International Conference on Enterprise Information Systems (ICEIS) 2026*.

RouteBastion: Architecting a Broker for VRP APIs - Article

2024

- My first scientific paper, where I analyzed the architecture of my Master's project.
- I used the *Architecture Tradeoff Analysis Method (ATAM)* to perform the analysis of the proposed architecture.
- The paper was accepted at the *Regional School on Computer Networks (ERRC) 2024*.

AdoptGram - Project

2023

- Final undergraduate thesis and project for the Bachelor's degree in Information Systems at FURG.
- Developed using TypeScript, Node.js, Fastify, NestJS and React Native.
- Software Engineering practices were highlighted.