

Igor Costa Carvalho Campos Silva

Belo Horizonte, Brazil | igorsilvabh26@gmail.com | github.com/igorrCarvalho | linkedin.com/in/dev-igor-carvalho

PROFILE

Full stack developer with 3 years of professional experience and a Software Engineering student at PUC Minas. Currently building production features for a SaaS website-building platform used by more than 10,000 users, and previously worked on Langflow, DataStax's open source platform for building LLM-based applications and agents. Experience with React and TypeScript on the front end, Python and PHP/Laravel on the back end, REST APIs, relational data modeling and SQL query optimization, LLM integration and AI-assisted development. Advanced English, with experience working in a distributed global team.

PROFESSIONAL EXPERIENCE

Gopage

Full Stack Developer

Remote

Dec 2024 - Present

- Build production features for a SaaS website-building platform used by more than 10,000 users, working with React.js, Inertia.js, Livewire and PHP/Laravel.
- Write and optimize SQL queries on MySQL, fixing N+1 problems and refining relational modeling to reduce response times and keep data consistent.
- Build and integrate REST APIs that move data across systems, including structured metadata (JSON-LD and Open Graph) for the Instagram and TikTok Shopping integrations.
- Work on the product analytics area, which displays performance metrics in charts for continuous tracking by users.
- Work on dependency supply chain security (npm and pnpm), covering supply chain attack analysis and minimum release age configuration.
- Use AI-assisted development in daily work, including automated code review driven by custom LLM prompts, along with code reviews, bug fixing, Docker, Git and agile methodologies.

DataStax - Langflow

Full Stack Developer

Remote

Jun 2023 - Aug 2024

- Worked on Langflow, DataStax's open source platform for visually building, iterating on and deploying generative AI applications and LLM-based agents, with more than 150,000 stars on GitHub.
- Built and optimized LangChain components in Python covering LLMs, chains and agents, exposed to the front end through the platform API.
- Optimized flow execution, working on performance and on how components behave when LLM and agent pipelines run in real usage.
- Worked on the Python backend integrating front end components with the platform's AI features, connecting the visual flow builder to LLM orchestration.
- Implemented responsive interfaces and reusable components with React and Tailwind CSS, making complex LLM pipelines usable through drag-and-drop workflows.
- Collaborated in a global team, communicating in English and following agile practices.

PROJECTS AND LEADERSHIP

Software Engineering Junior Enterprise, PUC Minas

Founding Member

Belo Horizonte, Brazil

2026 - Present

- Involved since the founding of the Software Engineering Junior Enterprise at PUC Minas, working across different areas to structure the organization.
- Contribute to defining processes, organizing teams and building the foundations for the first projects.

Experimental Software Agency, PUC Minas

Full Stack Developer, Grade Inteligente

Belo Horizonte, Brazil

2026 - Present

- Develop features for Grade Inteligente, a web tool used by PUC Minas students to plan their course schedule, with course tracking and enrollment suggestions.
- Currently focused on building the new React version, which replaces the original built in plain HTML and JavaScript, including overall UI/UX improvements to the application, new features and a redesign with React Flow.
- Rebuilt the prerequisite map with React Flow, improving how the arrows between courses are displayed and making course dependencies easier to read.

EDUCATION

Pontifical Catholic University of Minas Gerais (PUC Minas)

B.Sc. in Software Engineering

Belo Horizonte, Brazil

Jan 2026 - Dec 2029 (expected)

Trybe

Full Stack Web Development

Remote

Jul 2022 - Jul 2023

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, PHP, C#, Java

Backend and APIs: REST APIs, Laravel, Node.js, Inertia.js, Livewire

Frontend: React.js, Tailwind CSS, HTML, CSS, Bootstrap

Data: SQL, MySQL, relational data modeling, query optimization, structured data (JSON-LD, Open Graph)

AI and LLMs: LLM integration, LLM-based agents, Langflow, LangChain, AI-assisted development, workflow automation

Tools and Methods: Docker, Git, Jest, Scrum, Kanban, OOP

Spoken Languages: English (advanced), Portuguese (native)