Lucas Freitas

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I'm a Senior Full-Stack Engineer passionate about building scalable systems, clean architectures, and intuitive user experiences. Over the years, I've worked on projects that connect technology and business, from B2B marketplaces to educational platforms and enterprise integrations, always aiming to deliver solutions that are both technically solid and strategically impactful.

I currently focus on high-performance backends using Go, Node.js/NestJS, and TypeScript, alongside modern front-end frameworks like React and Next.js. I also explore AI-driven development and automation to streamline workflows, reduce friction, and elevate engineering productivity.

Beyond code, I value clarity, ownership, and adaptability, the traits that allow me to move fast, learn faster, and consistently drive real results.

Core technologies: Go, TypeScript, NodeJS, NestJS, React, Next.js, PostgreSQL, MongoDB, Docker, Stripe, Auth0, AEM, Python, PHP, Java.

EXPERIENCE

Bolt Group – *Senior Software Engineer*

September 2025 – Present

As a Senior Software Engineer, I design and build scalable, high-performance systems that bridge business needs with technical excellence. My work spans from backend architecture and API design to front-end engineering and user experience refinement, always focused on clarity, reliability, and long-term maintainability.

I work closely with cross-functional teams to define architectures, integrate complex business logic, and deliver efficient, data-driven solutions. My stack primarily includes Go, TypeScript, Node.js/NestJS, React/Next.js, and PostgreSQL, but I frequently explore and adopt new technologies when they add real value to the product and team.

Beyond the codebase, I focus on improving developer workflows, introducing automation and AI-assisted tooling, and promoting modern software engineering practices that drive both speed and quality.

PHP – React – Figma – Typescript – NodeJS – NestJS – SQL – MongoDB – Wordpress – GO – GIN – Tailwind – UML – AI – Auth0 – Redis – Clerk – Swagger – PostgreSQL – Firebase

Webjump — *Fullstack Developer & AEM Systems Analyst*

September 2023 – June 2025

- **AEM Systems Analysis**: Publishing and maintaining content while ensuring visual consistency, functionality, and alignment with SEO strategies to increase platform visibility.

- **UI Development**: Creating and styling intuitive, responsive interfaces from prototypes using modern technologies like React.js, CSS, LESS, and KnockoutJS.

- **REST API Development**: Implementing scalable and robust APIs using Node.js, NestJS, and PHP, integrated with databases such as MySQL and MariaDB.

- **Code Review & Optimization**: Ensuring code quality through thorough reviews and best development practices.

- **AI Innovation**: Applying AI-based solutions to solve complex problems, automate processes, and enhance overall project efficiency.

Javascript – Java – AEM – PHP – React – Figma – Typescript – NodeJS – NestJS – SQL – MongoDB

Devnology — *Backend Developer / Web Crawler Engineer*

September 2022 – January 2023

- **REST API Development:** Implemented scalable and robust APIs to integrate airline ticket data, applying best practices in authentication, versioning, and security.
- **Web Crawler Engineering:** Developed smart bots to automate the airline ticket purchasing process, focusing on real-time data extraction and seamless backend integration.
- **Process Optimization:** Designed solutions to reduce response time and increase user convenience during flight searches.

Javascript – Python – FastAPI - Django – Flask – SQL

Codigo_font — *Backend Developer*

May 2021 – July 2022

- **Scalable API Development:** Developed robust RESTful APIs using JavaScript, TypeScript, Elixir, and Express.js, with a focus on performance, scalability, and maintainability.
- **Database Management:** Worked with PostgreSQL and MongoDB, ensuring data integrity and efficient handling of complex queries and operations.
- **Dockerized Environments:** Deployed and maintained containerized applications using Docker, enhancing portability, scalability, and environment consistency.
- **Version Control & CI:** Used Git and GitHub for source control, continuous integration, and team collaboration.
- **System Integration:** Connected microservices via RESTful APIs, ensuring secure and reliable communication.

- **Technical English:** Applied English skills for technical documentation and communication in collaborative environments.

Python - Elixir - Javascript - Typescript - NodeJS - React - Firebase - SQL - MongoDB - MySQL

EDUCATION

Unifip — *Systems Analysis and Development*

January 2024 - Present, Patos-PB

The Systems Analysis and Development program is providing me with a solid foundation in programming, software development, and system architecture. Throughout the course, I'm gaining both practical and theoretical knowledge, with an emphasis on Python, Java, and web development. I'm also developing UI design skills using Figma, enhancing my ability to create complete solutions for both back-end and front-end.

CERTIFICATIONS

The Hong Kong University of Science and Technology — *Software Engineering Specialization*

October 2025

This specialization covers software engineering methodologies, techniques, and tools for planning, capturing requirements, designing, implementing, testing, and maintaining large-scale software systems. It combines scientific and technological knowledge with many hands-on examples and real-life case studies for students to apply software engineering skills in a realistic development environment. This specialization is for programmers who want to deepen their understanding of the methodologies and techniques involved in software development. Basic object-oriented programming (OOP) concepts are required to attempt the series of courses.

Unifip — *Instructor certification of NodeJS course*

May 2025

This certification focuses on teaching the fundamentals and advanced concepts of Node.js, including backend development, RESTful APIs, asynchronous programming, and integration with databases. It provides a strong foundation for designing, implementing, and maintaining scalable server-side applications, combining theory with practical, hands-on experience.

SmythOS — *AI Agent Engineer*

October 2024