

# Lucas Fasolato

## Software Engineer

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### SUMMARY

For me, software engineering is not just about writing code; it's about providing solutions that genuinely improve people's daily lives. I am driven by the process of understanding a complex business need and translating it into a simple, elegant, and high-quality technical solution. Technically, I specialize in the full-stack ecosystem, building applications with React, Node.js, and Python, and deploying them using tools like Docker.

### SKILLS

Languages & Databases: JavaScript, Python, SQL, HTML/CSS  
Frameworks & Libraries: Node.js, React.js, NestJS, Django, Express.js, Puppeteer  
Tools & Platforms: Docker, Git, REST APIs, Web Scraping, Oracle, SQL Server  
Methodologies: Agile, Scrum, Business Process Improvement

### PROFESSIONAL EXPERIENCE

#### Software Developer | Empresa Provincial de la Energía (EPE) | Aug. 2023 - Present

- Develop and maintain robust backend services for critical billing and remote metering systems using Node.js, integrating with diverse enterprise data sources including SOAP, REST, Oracle, and SQL Server.
- Optimized critical database queries and developed new REST API endpoints to deliver enhanced functionalities for large enterprise clients on the company's virtual office portal.

#### Freelance Software Developer | LBO S.A. | Aug. 2023 - Oct. 2025

- Retained as a specialized consultant to lead the ongoing evolution and maintenance of the mission-critical contract analysis dashboard, a system I had previously architected and built from scratch.
- Managed all feature enhancements, scaling, and deployment updates for the platform, ensuring its continued stability and value for board-level decision-making.

#### Full Stack Developer | LBO S.A. | Mar. 2023 - Aug. 2023

- Co-led the development of LBO's first client-facing mobile application, taking full ownership of the backend by building a scalable infrastructure from scratch with NestJS and developing all required REST APIs.
- Promoted to a full-time role after demonstrating significant impact as an intern, and was entrusted with scaling the company's central contract analysis platform.

#### Software Development Intern | LBO S.A. | Oct. 2022 - Mar. 2023

- Architected and built the initial version of a mission-critical internal dashboard from the ground up, featuring a Python/Django backend and a React front-end to manage 14,000+ business contracts.
- Independently developed a web scraping solution using Express.js and Puppeteer to automate the generation of daily market reports, significantly reducing manual work for the communications department.

### TEACHING & CONTENT CREATION

#### Programming Instructor & Content Creator | Argentina Programa | Jul. 2022 - Dec. 2022

- Designed and created the complete educational curriculum, including video classes and written materials, for a national programming initiative reaching over 400 students.
- Responsible for structuring and explaining core concepts of web development and backend logic in an accessible, on-demand format.
- Played a key role in the technical upskilling of hundreds of aspiring developers across Argentina.

### EDUCATION

- Systems Engineering (In Progress) | Universidad Abierta Interamericana | 2024 - 2026
- University Technician in Programming | Universidad Austral, Argentina | 2021 - 2023