

# Lucas Maciel

Software Developer

Porto, Portugal • +351 937 563 908 • 03lucasmaciel@gmail.com  
[linkedin.com/in/lucasmaciel](https://www.linkedin.com/in/lucasmaciel) • [github.com/03lucasmaciel](https://github.com/03lucasmaciel) • [lucasmaciel.me](https://lucasmaciel.me)

## Summary

Software Developer currently completing the final year of a Computer Engineering degree while maintaining a professional role in the industrial sector. Focused on building efficient full-stack solutions and bridging the gap between theory and practice by adapting to new technologies. Currently preparing for Microsoft Azure Data Scientist and AI Engineer certifications, with a strategic goal of pursuing a Master's in Artificial Intelligence to design innovative, data-driven software solutions.

## Professional Experience

Jul 2024 - ongoing

### Full-Stack Software Developer

FRICON • Vila do Conde, Porto, Portugal

- **End-to-End Ownership:** Acting as the sole developer responsible for the entire software lifecycle, from requirement gathering and system architecture to development and deployment of internal digital solutions.
- **Solution Design:** Collaborating directly with cross-functional teams to diagnose operational bottlenecks, translating complex business needs into technical specifications and actionable **Workflows/Flowcharts**.
- **Full-Stack Development:** Building scalable web applications to digitize shop floor processes using **React**, **NestJS**, and **Python**, supported by **SQL Server** and **PostgreSQL** databases.
- **Infrastructure & DevOps:** Designed and implemented an on-premise virtualization infrastructure using **Proxmox** and **Ubuntu Server**, managing the deployment pipeline to ensure reliable internal access to all web applications.

### Software Developer

Fev 2023 - Sep 2023

JCanão • Viana do Castelo, Portugal

- **Rapid Progression:** Transitioned from an internship to a full-time core developer role due to strong technical performance and the successful delivery of innovative features.
- **Modernization Initiative:** Proactively introduced **React** and **Node.js** to the development stack, designing modern web architectures that improved scalability and user experience for new products.
- **Enterprise Development:** Maintained and optimized established corporate solutions using **C#** and **ASP.NET**, focusing on performance tuning, security, and stability in production environments.
- **Code Quality:** Championed sustainable development practices, ensuring strict adherence to architectural patterns and security standards across both legacy and modern codebases.

## Education

### B.Sc. in Computer Engineering

Sep 2023 - ongoing

#### Highlights

- **Software Engineering & Architecture:** Software Engineering I & II, Systems Integration, Project Management, Algorithms & Data Structures.
- **Data Science & AI:** Artificial Intelligence, Operational Research, Database Administration, Statistics, Probability.
- **Systems & Security:** Network & System Security, Operating Systems, Mobile Computing, Computer Networks.
- **Key Projects:** Completed 4 semester-long practical projects (Project I-IV) simulating real-world software delivery cycles.

### Higher Professional Technical Course in Web & Multimedia Development

Sep 2021 - Sep 2023

#### Highlights

- **Web Development:** Web Applications, Mobile Interactive Systems, Database Management, CMS Development.
- **Multimedia & Design:** 3D Modeling, Digital Animation, Audiovisual Production, Web Design & UX/UI Principles.
- **Professional Skills:** Project Management, Digital Marketing, Technical Documentation, Technical English.
- **Capstone:** Completed a 6-month professional internship, which served as the foundation for the professional career at JCanão.

## Technical Skills

- **Languages:** TypeScript, JavaScript (ES6+), Python, C#, Java, SQL.
- **Frontend:** React.js, Angular, Ionic.
- **Backend:** NestJS, Node.js, ASP.NET Core, Restful APIs.
- **Databases:** PostgreSQL, Microsoft SQL Server, MongoDB.
- **DevOps & Infrastructure:** Docker, Git/GitHub, Proxmox, Linux (Ubuntu Server).
- **Cloud & AI:** Microsoft Azure (Preparing for DP-100 & AI-102), AI Concepts.