



JOEL TAVARES MARTINS

SOFTWARE ENGINEER | C# & AUTOMATION
SPECIALIST

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parz1val6g.github.io/portfolio/

PROFESSIONAL SUMMARY

Award-winning Junior Software Engineer with a specialized focus on **Backend Development (C#/NET)** and Industrial Automation. Combines a superior academic record (20/20 in final project) with practical experience deploying mission-critical control software. Proven ability to architect Windows Forms applications for hardware integration and manage file-based data persistence. Fluent in English and seeking to leverage skills in C#, Node.js, and TCP/IP protocols to deliver scalable enterprise solutions.

TECHNICAL PROFESSIONAL EXPERIENCE

Software Engineer (Intern) | SPLNET, LDA

Dec 2022

- C# GUI Development:** Engineered a Windows Forms interface to control a 360° hardware capture rig, replacing manual photography workflows with automated logic.
- Data Persistence:** Designed a file-based I/O architecture to persist operational data and organize captured assets for downstream 3D reconstruction.
- Hardware Integration:** Implemented Serial Port and TCP/IP communication protocols to synchronize motor movement and camera triggers in real-time.

Junior Web Developer | Mixlife Digital Agency

Jan 2022 - Feb 2022

- Collaborated on front-end web development projects using HTML/CSS, ensuring cross-browser compatibility and responsiveness.
- Managed digital assets and assisted in the deployment of client-facing solutions.

ADDITIONAL EXPERIENCE

Bartender & Service Staff | Maria Antonieta

Jun 2024 - Sep 2024

- Demonstrated reliability and teamwork in a high-volume environment during academic breaks.
- Developed strong communication skills under pressure, managing inventory and client relations.

Summer Service Staff | Live Beach Mangualde (Cinderela Group)

Jul 2022 - Sep 2022

KEY PROJECTS & AWARDS

Project "EPTOKIOSK" (PAP)

2023

Awarded Best Project of the Year (20/20 Grade)

- Developed a comprehensive digital kiosk system as a final Professional Aptitude Project (PAP).
- Achieved a perfect score (20/20) and received the school-wide award for academic excellence among all students.
- Demonstrated advanced full-stack capabilities and user interface design.

TECHNICAL CORE COMPETENCIES

LANGUAGES & FRAMEWORKS

C#, .NET Framework, Java, Node.js, MySQL, Arduino (C++), PHP, JavaScript, HTML5/CSS3

SYSTEMS & NETWORKING

TCP/IP Suite, Serial Comms, Real-time Control, Ubuntu Server, Virtualization (VMware)

TOOLS & HARDWARE

Git, Visual Studio, Photoshop, Industrial Hardware Integration,
Domain Registration

LANGUAGES

English: Fluent (C1/C2)

Portuguese: Native

Spanish: Basic (B1) | French: Basic (B1)

EDUCATION

Licenciatura (B.Sc.) in Computer Engineering

Instituto Politécnico de Viseu

2023 - Present

Technical Degree in Systems Management & Programming

Escola Profissional de Oliveira do Hospital (EPTOLIVA)

2020 - 2023