

Manuel António Cruz Patrício

Informatics Engineer



About me

Master's graduate in Informatics (June 2025) from the Polytechnic University of Bragança Bragança (IPB), with a background in Informatics Engineering and hands-on experience developing web, mobile, and wearable applications at Balvia Ecosystems. Contributed to research and academic initiatives, including a scholarship project that led to a CLF 2024 presentation and a published article. Completed additional training in enterprise development (SAP ABAP) and hold the OutSystems Associate Reactive Developer certification. Focused on reliable and structured problem-solving, with an ongoing commitment to strengthening my skills across IT domains, including database systems, backend architectures, and AI-enabled solutions.

Personal

Manuel António Cruz Patrício
Nationality: Portuguese
Residence: Bragança

Areas Of Interest

Web/Mobile Development • SAP Applications Development with ABAP

Hobbies

Automobiles and Motorcycle Maintenance And Mechanics
Past And Present Technologies
Sports
Classic Rock Music

SHORT RESUMÉ

2022–2023

Scholarship Holder

CEDRI · Bragança

As a result of my bachelor's final project I started working on a scholarship for my university where I researched and started development of a factory's 3D replica (Digital Twin) capable of handling user interactions and equipped with animations for the engine assets, where I worked with both Unity and Unreal Engine, as well as Blender.



2025–2025

Internship

BALVIA ECOSYSTEMS · Bragança

While working on my Master's dissertation in IT, I secured a professional opportunity at the same company where I began my thesis. I was responsible for developing several software applications, including a wearable device, a smartphone app, and a web platform.



DEGREES

2023

Bachelor's in Informatics Engineering

CERTIFIED · Polytechnic University of Bragança



2025

Master's in Informatics

CERTIFIED · Polytechnic University of Bragança



PROGRAMMING

Dart



Python



Java



C#



OutSystems



ABAP



CURRICULUM

2022–2023

Scholarship Holder

CEDRI · Bragança

Development of a factory's 3D replica (Digital Twin).



2025–2025

Internship

BALVIA ECOSYSTEMS · Bragança

Software Developer.



CERTIFICATES & GRANTS

- 2023** Bachelor's in Informatics Engineering
2023 Associative Reactive Developer (Outsystems 11)
2025 Master's in Informatics

LANGUAGES

Portuguese	C2	● ● ● ● ●
English	C1	● ● ● ● ●
Spanish	B2	● ● ● ● ●

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PUBLICATIONS

- July. 2024** *An Augmented Reality Intelligent Guide for the Automotive Industry*, Learning Factories of the Future. CFL 2024
- Dec. 2024** *Unstructuring the Sequentiality of Commits into a Semantic Network with Higher Informational and Functional Quality*, 2024 International Conference on Engineering and Emerging Technologies (ICEET), IEEE, Dubai, UAE.