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 Paços de Ferreira, Portugal

Education

Bachelor's degree in Computer Engineering

Trás os Montes e Alto Douro University

2018 – 2021

Language

Portuguese – Native

English – Professional working proficiency

Spanish

Skills and Tools

Programming Languages:

- C++, C, Python, ADA, JS

Backend Technologies:

- .NET, RESTful Web Services

Cloud, DevOps, CI/CD :

- AWS, Docker, Kubernetes, Jenkins, Grafana

Databases:

- MySQL, PostgreSQL, SQL

Development Version Control:

- Github, Git, Bitbucket

Development Methodologies:

- Agile, Scrum, Kanban

DIOGO VIEIRA

Software Engineer

Profile

Software Engineer with experience in safety-critical systems and backend development. Background in C, C++ and Python, with recent hands-on experience in .NET, C#, REST APIs, AWS, Docker and Kubernetes within microservices architectures. Used to working in regulated environments and agile teams, with a strong focus on code quality and reliability.

Work Experience

Openvia Mobility 10/2025 – 12/2025

Software Developer

- Backend development of .NET / C# services within a microservices architecture
- Design and implementation of RESTful APIs used by internal systems
- Containerization with Docker and deployment in Kubernetes environments
- Integration with AWS services in cloud-based infrastructure
- Database interaction using PostgreSQL and SQL
- Monitoring and observability using Grafana and Jenkins

Critical Software 08/2021 – 09/2025

Software Engineer

- Development of safety-critical software for railway, aerospace and maritime systems
 - Responsible for write and review Plans and Requirements.
 - Responsible for Test Cases and Test Procedures.
 - Responsible for develop, integration and improve new software versions.
 - Work under DO-178C and DO-330 standards
- Collaboration in international, confidential projects.

DISTRIPAFER – Supermercados, Intermache 10/2020 – 10/2021

Charcuterie, Butchery and Replenishment Operator – Helper

Projects and Organizations

VR Connect 2021

Creation of the web platform for the an association, called VR Connect. This brings together offers from numerous companies and employers. Using WordPress

Chairman of the Pedagogical Department 2021

Member of the Information and Communication Technologies student group.