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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.

### DISTRIPAHER – 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.