

# Pedro Ferreira

## SOFTWARE ENGINEER

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## Experience

### Nokia

Feb 2025 – May 2026

#### Software Engineer

- Contributed to Nokia's Core Slicing Controller, a 5G Core solution that automates network slice lifecycle management across multi-vendor, multi-cloud, and multi-edge environments, adopted by operators including T-Mobile USA and Vodafone Qatar.
- Responsible for end-to-end testing and validation, and managing the development and testing infrastructure.

### Sky Portugal

July 2024 – Aug 2024

#### Backend Developer (Summer Intern)

- Developed a Slack Bot to automate the management of the search engine used in Sky and NBCU streaming platforms (SkyShowtime, Peacock, ShowMax, NOW/WOW, SkyQ, and SkyGO).

### Instituto de Telecomunicações (IT)

Jan 2024 – Apr 2024

#### Fullstack Developer (Undergraduate Student Researcher)

- Contributed to NEF-Emulator, an open-source simulator of the Network Exposure Function (NEF) in a 5G network, as part of the European R&D project 5GASP.
- Responsible for designing and implementing an architecture that enables real-time location data of user equipment (UEs).

### Redlight Software

July 2023 – Sept 2023

#### Backend Developer (Summer Intern)

- Developed the backend for Hungry Mates, a social event planning platform where friends coordinate via polls (event type, location, availability) and split bills.

### Ubiwhere

July 2022 – Sept 2022

#### Backend Developer (Summer Intern)

- Developed a traffic simulation platform using real-time sensor data to estimate street-level traffic congestion.
- Responsible for benchmarking the latency of time-series databases and infrastructure setup.

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## Education

**MSc** **University of Aveiro**, MSc in Computer and Telematics Engineering Sept 2024 – present

**BSc** **University of Aveiro**, BSc in Computer and Informatics Engineering Sept 2021 – July 2024

**BSc** **University of Aveiro**, BSc in Computational Engineering (Interrupted) Sept 2019 – July 2021

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## Technologies

**Languages:** Python, Java, Kotlin, Ruby, Bash

**Databases:** PostgreSQL, MongoDB, Prometheus, InfluxDB, TimescaleDB

**Infrastructure & DevOps:** Docker, Kubernetes, Jenkins, GitLab CI/CD, Robot Framework

**Tools & Platforms:** RabbitMQ, Camunda, Jira, Confluence

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## Publications

**Automatic Service Migration in a MEC-NFV Environment for a User Mobility Scenario** Jan 2024

P. Pereira, **P. Ferreira**, F. Cardita, A. Castanheta, H. Cruz, L. Oliveira, S. Teixeira, P. Escaleira, D. Gomes, R. Aguiar