

João Pinto

Software Engineer



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About Me

Software Engineering graduate from ISEP with practical, team-based development experience across the full software lifecycle, focused on backend engineering.

Education

Instituto Superior de Engenharia do Porto
Bachelor's in Informatics Engineering

Porto, Portugal
Sept 2022 - Jul 2025

Professional Experience

Capgemini

Associate Software Engineer

Porto, Portugal
Jan 2026 - Present

- Contributed to the implementation, documentation, and maintenance of a **.NET** microservices-based application supporting a large-scale retail mobile platform.
- Hosted and managed services in a **Kubernetes** cluster, with observability implemented through **Grafana**.
- Supported continuous deployments using **ArgoCD**.

GECAD

Researcher - Intern

Porto, Portugal
Feb 2025 - Jun 2025

- Integrated a Host-based Intrusion Detection System (**HIDS**) across **Windows** hosts to monitor process traffic behavior within the local network.
- Developed an intelligent module based on **machine learning** concepts to analyze and classify **SystemCalls** from host systems.
- Implemented **SystemCall extraction** in critical Windows processes to enhance communication with the central server.

Results: Achieved **93% accuracy** in detecting malicious system calls on Windows systems without compromising device functionality.

Projects

HairDrop

Team Leader

Sofia, Bulgaria
Sept 2024

- Implemented a secure full-stack application using **Rust** and **React**.
- Integrated secure coding principles, including **SQL injection** prevention, **memory management**, and **API protection**.

Certifications

Fortinet Certified Fundamentals Cybersecurity
Fortinet Student

Online
Setembro 2024 – Janeiro 2025

Skills

Java C SQL React MongoDB Rust Git Python
TypeScript Node.js PostgreSQL Kubernetes .NET
Grafana Argo CD Redis

Languages

Portuguese
English
Spanish

