JOÃO PORTELA

Software Engineer
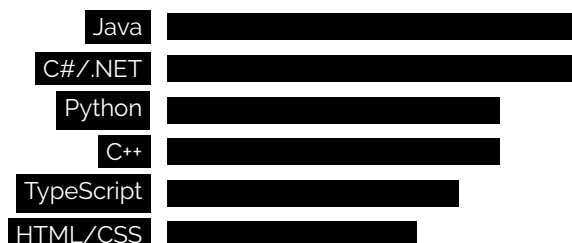
📞 +351 913 044 398
@ joao@joaoportela.net

🌐 joaoportela.net
⌨ github.com/joaoportela
in linkedin.com/in/j-portela

WHO AM I?

Software Engineer with 14 years of experience in software development. Experienced in both defining and following best practices, making architecture decisions and communicating with partners and clients.

Very adaptable to different areas and technologies. Having developed: 3D applications, desktop applications and web applications (backend, frontend and DevOps).

Looking for a challenging environment where I can thrive.

Java
C#/.NET
Python
C++
TypeScript
HTML/CSS

JVM   ASP.NET   Docker   Jenkins   PostgreSQL   AWS   Kubernetes   Kafka

EXPERIENCE

09/2021 – 2024   **Advanced Software Engineer**   **Feedzai**

Feedzai is a data science company that develops real-time machine learning tools to identify fraudulent payment transactions and minimize risk in the financial services, retail, and e-commerce industries.

I initially worked in the AML team, where we developed solutions to prevent money laundering and, consequently, the financing of human trafficking and terrorism. Additionally, I worked in a transformation project to increase the adoption of the latest version of our software solutions by clients, with great success.

Later on, I was part of the Feature Engineering team, where we were building a patented real-time fraud detection engine called Railgun. Railgun is a crucial component of Feedzai's future. In this team, I play a significant role in software operations, particularly managing the complexities associated with onboarding new customers and migrating existing ones to this new platform.

Across all teams, my responsibilities include:

- Ensuring the architecture, design, code quality, system stability, and resiliency of our software solutions.
- Understanding the broader context and setting an appropriate technical roadmap with the team.
- Guiding the team through technical issues and challenges.
- Communicating and coordinating our work with other teams.

Tech stack: `Java / PostgreSQL / Kubernetes / Kafka / RabbitMQ / AWS / Dropwizard / Liquibase`

05/2021 – 2021   **Technical Lead**   **Ocean Infinity**

Ocean Infinity is a marine robotics company that deploys autonomous technologies at scale to capture ocean data and deliver maritime solutions. In 2021, Ocean Infinity acquired Abyssal. Shortly after the acquisition, I was asked to assume the role of Tech Lead. This was a recognition and a continuation of my work at Abyssal.

The tech stack remained the same.

| 03/2012 – 2021 | **Software Engineer/Senior Software Engineer** | **Abyssal S.A.** |

Abyssal provides 3D Visualization, Simulation and Digitalization capabilities for subsea operations. Was there since the company was 1 month old. Helped grow the company. Had a crucial role in defining software development processes and building most of the software ecosystem.

- Design desktop applications architecture and build them in WPF and UE4.
- Design and implement data synchronization mechanisms.
- Design and implement backend services and frontend (SPA).
- Design and deploy AWS infrastructure as code.
- Work with PostgreSQL databases.
- Implement CI/CD solutions.
- Review patents before submission.
- Define and plan products roadmap. Occasional Scrum Master role.
- Client contact for technical demonstrations and systems integration.
- Define and review development best practices and processes.
- Describe software development practices and the full ecosystem architecture in audit-like events for partners.

Tech Stack:
- Desktop: `C# / WPF / C++ / WinAPI / UnrealEngine4`
- Webdev: `C# / Python / ASP.NET Core / TypeScript / Angular / RabbitMQ`
- DevOps: `Docker / Jenkins / Terraform / bash / TeamCity`

| 2010 – 2012 | **Software developer** | **NDrive** |

NDrive develops turn-by-turn GPS.
Worked to build and deliver NDrive v11, including its first tablet port. Was also part of the teams that rewrote NDrive from scratch for its native mobile port.
Tech Stack: `C++ / Objective-C / Cocoa Touch / Java`

EDUCATION

| November 2022 | **Domain Modeling Made Functional** | **Avanscoperta** |

Workshop about domain-driven design applied to Functional programming. Focused on designing decoupled, reusable systems with a rich domain model.

| July 2018 | **VISUM 2018 - VISion Understanding and Machine intelligence** | **INESC TEC** |

VISUM is a summer school about Computer vision and machine Learning. It is comprised of lectures from industry and academia and hands on exercises.
It also has a challenge where teams compete with each other, which **our team won**.

| 2004 – 2010 | **Master in Informatics and Computing Engineering** | **Faculty of Engineering of the University of Porto** |

Advanced instruction in Informatics and Computation Engineering.
Master Thesis - "Exploiting Opponent Behavior in Multi-agent Systems"

LANGUAGES

Portuguese - native
English - proficient

HOBBIES

I love Parkour, Bouldering, the outdoors, and video games.