



João Pereira

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📅 Date of birth: 04/10/1992 🇵🇹 Nationality: Portuguese

WORK EXPERIENCE

[02/2025 – Current] **Platform Engineering Lead**

Critical Manufacturing

City: Porto | Country: Portugal

As **Platform Engineering Lead**, I oversee the entire **Platform Engineering team**, ensuring the reliability, scalability, and efficiency of our infrastructure and development workflows. My role combines technical expertise with leadership responsibilities, driving strategic improvements across **Kubernetes, OpenShift, CI/CD, and developer tooling**.

Key Responsibilities:

- Lead and manage the **Platform Engineering team**, divided into:
 - **Platform Deployment and Support (PDS)**: Focused on deploying and supporting Kubernetes/OpenShift environments for customers.
 - **Developer Platform and Tooling (DPT)**: Focused on enhancing the development experience through automation and tooling.
- Define and execute the **technical roadmap** for platform engineering, aligning with business and product needs.
- Maintain and optimize **internal OpenShift clusters** to ensure high availability and performance.
- Oversee and improve **CI/CD pipelines (Azure DevOps)** to streamline software delivery.
- Drive **automation** initiatives using **Ansible, scripting, and infrastructure-as-code** methodologies.
- Support and improve **Critical Manufacturing MES** deployments in **Kubernetes/OpenShift** environments.
- Advocate for DevOps best practices, fostering a culture of **collaboration, efficiency, and continuous improvement**.

Technologies: OpenShift, Kubernetes, Azure DevOps, CI/CD, Automation, Developer Tooling

[04/2024 – 02/2025] **Platform Engineering | Integration & Delivery - Squad Lead**

Critical Manufacturing

City: Porto | Country: Portugal

As the **Squad Lead** for the *Platform Engineering | Integration & Delivery* team, I oversee and contribute to the development, automation, and operational support of our platform infrastructure. My role blends hands-on technical work with leadership responsibilities, ensuring the reliability, scalability, and efficiency of our deployment and development processes.

Key Responsibilities:

- Lead and mentor the squad, driving best practices in platform engineering, automation, and CI/CD.
- Maintain and optimize the internal **OpenShift Cluster**, ensuring high availability and performance.
- Design, improve, and maintain **CI/CD pipelines** in **Azure DevOps**, enhancing deployment efficiency.
- Automate infrastructure provisioning and configuration using **Ansible playbooks**.
- Develop and maintain scripts and automation workflows to streamline platform operations.

- Provide support for **Critical Manufacturing MES** deployments on **Kubernetes/OpenShift** clusters.
- Collaborate with cross-functional teams to ensure seamless software delivery and infrastructure scalability.

Leadership Responsibilities:

- Define and drive the squad's technical roadmap and priorities.
- Align platform engineering initiatives with business and product needs.
- Foster a culture of collaboration, innovation, and continuous improvement.
- Act as a point of escalation for technical challenges and incident resolution.
- **Technologies:** OpenShift, Kubernetes, Azure DevOps, Ansible, CI/CD, Automation, Scripting

[09/2022 – 04/2024] **DevOps Engineer**

Critical Manufacturing

City: Porto | **Country:** Portugal

As a **Co-Founder of the DevOps team**, I played a key role in defining and implementing DevOps practices across the Engineering area, driving standardization, automation, and process improvements.

Key Responsibilities:

- Designed and contributed to the **DevOps architecture**, standardizing processes across the Engineering area.
- Developed, maintained, and optimized **CI/CD pipelines** using **Azure DevOps (YAML)** to streamline software delivery.
- Contributed to the **Critical Manufacturing Framework (CMF) CLI Project** ([GitHub](#)), enhancing developer experience through custom tooling.
- Created and maintained **developer tooling** to improve efficiency and standardization within the Critical Manufacturing Framework.
- Led the **deployment of Critical Manufacturing MES** across **Docker Swarm, Kubernetes, and Red Hat OpenShift** environments.
- Worked with a **technology stack** including **C#, .NET, Node.js, Azure DevOps Server, Docker, Swarm, Kubernetes, and OpenShift**.

[02/2020 – 09/2022] **Senior Software Engineer**

Critical Manufacturing

City: Porto | **Country:** Portugal

Technology Stack: C#, .NET, Angular, Typescript, SQL Server, Node, AzureDevOps Server, Windows Server, IIS

Critical Manufacturing MES (Manufacturing Execution System)

1. Software design and product customization;
2. Critical Manufacturing MES deployments (on premises);
3. Requirement analysis of multiple industries;
4. Code Reviewer and verifier of code standards;
5. Technical Lead of development teams;
6. Member of MES OnCall support team;
7. Definition of templates and standard approaches to streamline processes

[02/2018 – 01/2020] **Software Engineer**

Critical Manufacturing

City: Porto | **Country:** Portugal

Technology Stack: C#, .NET, Angular, Typescript, SQL Server, Node, AzureDevOps Server, Windows Server, IIS

Critical Manufacturing MES (Manufacturing Execution System)

1. Software design and product customization;

2. Critical Manufacturing MES deployments (on premises);
3. Code Reviewer and verifier of code standards;
4. Technical Lead of development teams;
5. Member of MES OnCall support team;

[03/2017 – 02/2018] **Junior Software Engineer**

Critical Manufacturing

City: Porto | **Country:** Portugal

Technology Stack: C#, .NET and SQL Server

Critical Manufacturing MES (Manufacturing Execution System)

1. Product development;
2. Software design and product customization.

[09/2015 – 03/2017] **Developer**

Hutchinson Porto - Tubos Flexíveis

City: Valongo | **Country:** Portugal

Web programming (PHP, HTML5, JavaScript), MySQL, VBA, Access;

Support to users, applications and computer equipment;

Assistant in the administration and support of the entire infrastructure Hardware: Systems and Networks;

[03/2015 – 09/2015] **Developer**

Hutchinson Porto - Tubos Flexíveis

City: Valongo | **Country:** Portugal

Internship under the Computer Engineering Degree.

Development of a corporate TV project in the Web area using the PHP technology, JavaScript, JQuery, HTML5, C # WebServices, 3 tier architecture.

[08/2013 – 10/2013] **Computer technician**

Hutchinson Porto - Tubos Flexíveis

City: Valongo | **Country:** Portugal

[03/2011 – 06/2011] **Enumerator**

Instituto Nacional de Estatística - Censos 2011

Country: Portugal

[04/2010 – 06/2010] **Computer technician**

Samsys-Comércio e Serviços de Sistemas Informáticos Lda

Address: R São Bento Peras 251/3, 4435-432 Rio Tinto, Gondomar, Portugal | **Business or sector:** Professional, scientific and technical activities

EDUCATION AND TRAINING

[09/2010 – 11/2015] **Graduation in Informatics and Computer Engineering**

Instituto Superior de Engenharia do Porto

City: Porto | **Country:** Portugal |

[09/2007 – 07/2010] **Professional Course in Management and Programming Information Systems**

Escola Secundária de Valongo

City: Valongo | **Country:** Portugal |

LANGUAGE SKILLS

Mother tongue(s): Portuguese

Other language(s):

English

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION A2

Spanish

LISTENING A1 READING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

French

LISTENING A1 READING A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

Team Spirit (Grupo Dramático e Recreativo de Retorta, instituição de utilidade pública);

OTHER SKILLS

Lighting Designer @ Grupo Dramático e Recreativo de Retorta

“Orlando Worm” award for better light design @CONTE(Concurso Nacional de Teatro Amador):

2015 | Óculos de Sol

2016 | mulheres

2017 | Palco de Babel

2020 | (nominated) A Importância de ser Ernesto

2023 | Até que a Boda nos Separe

Link: <https://retorta.com>

Board Member @ Grupo Dramático e Recreativo de Retorta

Link: <https://retorta.com>