



Pedro Rodrigues

Backend Web Developer

Experience

2023-Current **Backend Web Developer**

[Kuehne + Nagel](#)

Working on a web service that allows users to create bookings and follow the orders through shipment tracking. Particularly, worked on the reporting portion of the system, receiving data through messaging and displaying it to users.

Technologies and experience:

- Development in Java with Spring boot;
- Microservices architecture;
- Sync (REST) and Async (RabbitMq) communication;
- Docker and Openshift;
- Elastic search stack;
- Grafana with Prometheus;
- Gatling for load and performance tests;
- Gitlab for CI/CD.

2020-2023 **Backend Web Developer**

[Anova](#)

Worked on a web app that processes tank refill data, allowing users to analyze past performance and identify possible telemetry investments that would yield high profit.

Technologies and experience:

- Development in .Net Core, exclusively C#;
- Microservices architecture;
- Relational database (T-SQL);
- REST and gRPC;
- Git and Microsoft Azure.

2018 - 2020 **Software Engineer**

[Critical Manufacturing](#)

As a software engineering, i had the opportunity to experience and work in a vast number of desktop applications dedicated to the creation of a complete data analysis base system.

Technologies and experience:

- Development in C#, C and C++, with special emphasis on C#;
- Windows service multithreaded application architecture design and implementation;
- Team Foundation Server Automate Build and Deployment (Continuous Integration);
- Unit, system and GUI testing;
- Database querying (SQL);
- Client direct communication and support.

Address

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Languages

Portuguese ★★★★★
English ★★★★★

Education

2013 - 2018 **Master's Degree in Electrical & Computers Engineering**

Faculty of Engineering, University of Porto

- Major in Automation;
 - Specialization in Microeletronic and Embedded Systems;
 - Average end classification: 16.
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- Knowledge in Real Time Systems;
 - Experience in computer vision programming;
 - Knowledge on underwater vehicle's control;
 - Practice in PLC programming and configuration;
 - Experience in robotics programming and simulation;
 - SQL and database knowledge;

Conference Participation

2018

Oceans 2018 Conference

Charleston

Submitted an extended abstract of my thesis to the Oceans 2018 Charleston conference that was accepted. This allowed me to attend the conference (Charleston, South Carolina) and participate in a posters competition where i presented my work to the juries and attendees of the conference.

My thesis subject was the altitude control of an autonomous underwater vehicle using computer vision.

Certifications

2019

MCSA: Web Applications Certified

- Exam 483: Programming in C#;
- Exam 486: Developing ASP.NET MVC Web Applications.

2019

MCSD: App Builder Certified

- Exam 487: Developing Microsoft Azure and Web Services.

2023

Team Kanban Practitioner

- Kanban University Certified