

Alexandre Rodrigues

Lisbon • alexandref.rodrigues8@gmail.com • +351 917673080

Education

IBM Full Stack Software Developer Professional Certificate

Lisbon, PT

Certificate

Fev 2025

- Full-stack development with HTML, CSS, JavaScript, React, Node.js, Python, and Django.
- Hands-on projects building and deploying cloud-native applications with Docker, Kubernetes, and CI/CD pipelines.
- Experience with RESTful APIs, SQL & NoSQL databases, authentication, and microservices architecture.
- *Final project:* Developed a Dealership Review Portal, a full-stack web application featuring sentiment analysis for customer reviews.

ISTEC

Lisbon, PT

BSc in Computer Science

Oct 2024

Relevant Modules: Database Management Systems, Programming I-V, Information Security

Final Project: "Tackle Trivia"

- Developed an interactive web application with a rugby quiz, featuring user authentication, a scoring system, and educational feedback.
- Used HTML, CSS, JavaScript, Node.js, and MySQL to build a responsive and efficient platform.

42 Lisboa

Lisbon, PT

Relevant Coursework:

Sep 2022 – Mar 2024

- *Minishell* – Developed a custom Unix-like shell in C, handling process creation, command parsing, input/output redirection, and signal management
- *Push_Swap* – Created an optimized algorithm to sort a stack of integers with the least number of operations, focusing on algorithmic efficiency and data structure manipulation.
- *Libft* - Developed a custom C library by reimplementing standard functions, including data structures, memory management, and string manipulation routines

Experience

IP Telecom PT

Lisbon, PT

Intern

Mar 2020 – Aug 2020

- Developed and executed integration tests for devices using Simple Network Management Protocol (SNMP).
- Contributed to the programming of automated solutions for network device monitoring.

Leadership & Activities

Rugby GDS Cascais & Lobos

Lisbon, PT

Player

Sep 2013 – Present

- Competed in numerous international tournaments and represented the national team multiple times.
- Developed strong teamwork, leadership, and resilience through high-level competitive play.

Skills

Frontend: HTML, CSS, JavaScript, React.js

Backend: Node.js, Express, Python, Django, Java

Databases: SQL (PostgreSQL, SQLite), NoSQL (MongoDB)

Cloud & DevOps: Docker, Kubernetes, CI/CD, IBM Cloud, IBM Cloud Code Engine, Azure

Other: Git, RESTful APIs, Microservices, Authentication & Authorization, C