

Pedro Miguel Moás

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Work Experience

Systems Engineer

Cloudflare • Portugal

09/2024 - Present

Designed data applications for the Business Intelligence team, providing the Sales department with insights into customer behavior and product usage.

Software Engineer (Full Stack)

Critical Techworks • Porto

02/2023 - 09/2024

Designed frontend and backend software for BMW Group, taking advantage of microservice architecture and event-driven design to maintain application performance and reliability at high scale.

- Proposed and completed a scalability redesign of our architecture to handle a 100-fold increase in system load.
- Coordinated large-scale GitHub migration from Bitbucket/Jenkins, significantly improving team agility.
- Designed and developed an automated end-to-end testing pipeline to improve our delivery quality.

Invited Assistant Professor

Faculty of Engineering - University of Porto • Porto

09/2023 - 08/2024

Taught courses on web development, database design, and data science, helping hundreds of students grow.

Lead Software Engineer (Full Stack)

Adhara • Porto (Remote)

01/2020 - 01/2023

Oversaw and conducted technical development of multiple web and mobile apps, serving interactive content to tens of thousands of medical practitioners and aiding their practice. Designed, built, and deployed software architecture for several complex applications, running on diverse cloud providers.

Education

Master's Degree in Informatics and Computing Engineering

Faculty of Engineering - University of Porto • Porto

Graduated - July 2022

- Graduated with an average grade of 19 in 20.
- Defended the Master's dissertation "*Real-time prediction of Wikipedia articles' quality*" with a final grade of 20 in 20, leading to the submission of two research articles, one of which was published in [ACM CSUR](#).
- Received *Prémio Incentivo 2017/2018* from University of Porto, *Prémio Bondalti* from the *Amélia de Mello Foundation*, and 2017/18, 2018/19, 2019/20 Merit Grants from DGES.
- Received Investigation Grant in Embedded Systems for Designing Minix drivers for BeagleBone Black.

Skills

React, NextJS, Flutter, Angular, NodeJS, ExpressJS, NestJS, Quarkus, Spring Boot, Flask, SQL, Apache Kafka, Kubernetes, Grafana, Prometheus, DigitalOcean, Azure, AWS, GH Actions, Jenkins