

# Pedro Miguel Moás

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## Work Experience

### Software Engineer (Full Stack)

Critical Techworks • Porto

02/2023 - Present

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.
- Mentored multiple junior developers, teaching them about our technology, and unblocking them as needed.
- Conducted technical presentations about distinct topics.

### Invited Assistant Professor

Faculty of Engineering - University of Porto • Porto

09/2023 - Present

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 and built software architecture for several complex applications
- Deployed and maintained applications on diverse cloud providers
- Worked closely with the Product Owner to maximize application value

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## 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.

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## Skills

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