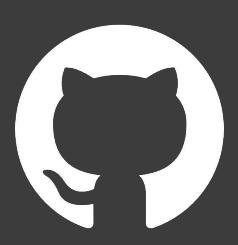


# Miguel Ângelo Costa



Fullstack  
Developer

## Profile

Full-Stack Software Developer with a strong background in Industrial Design and product engineering, combining systems thinking, UX sensibility, and robust software development. 2+ years of professional experience delivering production-grade web applications using Java, with Spring Boot, and Microsoft's Power Platform. Proven ability to own full lifecycle delivery from concept to deployment in distributed, enterprise environments.

## Skills

Languages: Java, JavaScript, SQL, HTML, CSS, C/C++, PowerFx  
Backend: Spring Boot, Hibernate/JPA, REST APIs, Microservices, Keycloak, JWT, Tomcat  
Frontend: Vanilla JavaScript, Thymeleaf, CSS Grid/Flexbox  
Databases: PostgreSQL, MySQL  
DevOps & Tools: Docker, Git, GitHub, Maven, Gradle, Linux, CI/CD  
Architecture: MVC, Clean Architecture, Domain-Driven Design (DDD), Microservices  
UX & Product: User-Centred Design, Prototyping, Design Systems, Figma  
Platforms: Microsoft Power Platform, .NET (integration)

## Experience

### Full-Stack Software Developer — dst group

2023 – Present

- Designed and developed 15+ production applications using Java (Spring Boot, Hibernate, Thymeleaf, Vanilla JavaScript) and Microsoft Power Platform (Power Apps, Power Automate, SharePoint).
- Owned end-to-end delivery: architecture, development, deployment on Tomcat, and validation with business stakeholders.
- Mentored three summer interns and acted as supervisor for a Master's thesis project focused on a Virtual Reality application, providing technical orientations, architectural direction, guiding interaction design, UX/UI decisions, and user experience validation, bridging technical implementation with human-centred design principles.

#### Selected Systems:

- Architected and built a microservices-based enterprise platform handling ~4,000 monthly requests for travel, accommodation, and car rental workflows, including role-based access control and approval pipelines. Implemented authentication and authorization with Keycloak integrated with Active Directory.
- Developed a QR code check-in system for corporate events used by ~2,500 users, providing real-time attendance tracking and reporting.
- Built an Industrial Traceability Platform linking raw materials to production parts in real-time production environments, tracking each component from engineering through manufacturing and shipping, enabling full lifecycle traceability, quality control, and compliance.

### Exchange Research Project — National Italian Investigation Center (RESALP)

2024 (2 months)

- Designed and developed a full-stack web application to manage alpine shelters, including an interactive map with clustering and pin visualisation.
- Built dashboards to monitor shelter status, inspections, and operational readiness, with workflows to submit and track inspection reports.
- Delivered end-to-end functionality from UX and data modelling to backend APIs and deployment.

### Product Designer — Nexo Helmets

2022 – 2023

- Design and development of the 2024 motorcycle helmet collection from concept to industrialisation.
- Delivered 3D modelling, prototyping, supplier coordination, and industrial production management.

### Product Designer — Ramalhos

2020 – 2022

- Designed industrial ovens and defined the roadmap for a connected-oven management application.
- Delivered innovative LED oven door concepts and full 3D prototyping for production.

### Founder / Product Lead — B2AVE (Entrepreneurship Grant)

2019 – 2020

- Founded and developed a transradial bionic prosthesis startup, owning full product concept, engineering, and validation.

### Product Designer — Nelo Kayaks

2017

- Designed the 2018 K1 competition kayak model and 3D accessories, delivering prototypes for professional athletes.

## Education

Full-Stack Software Developer Bootcamp — [academia de código\\_>](#) — Porto, Portugal (2023)  
JavaScript Algorithms & Data Structures — IEFP e-Learning — Online (2023)

Full Stack Developer — freeCodeCamp — Online (2022)

MSc in Industrial Design — University of Lisbon — Lisboa, Portugal (2018 – 2020)

BSc in Industrial Design — University of Minho — Guimarães, Portugal (2014 – 2018)

## Languages

Portuguese (Native) · English (Professional Working Proficiency)