

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-Centered 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 — Nexx 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)