

# PEDRO FERREIRA

## Software Engineer

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📍 Coimbra, Portugal 📅 03/11/1992



Full-Stack Software Engineer and DevOps enthusiast  
Proudly creating reliable, scalable and maintainable systems

## ABOUT ME

Passionate about science and technology, I find each day at work an exciting puzzle to solve.  
My hobbies include spending time with family and friends, watching films, music, reading, cooking, gardening, meditation, and managing my self-hosted media server.  
I am pursuing a career path in distributed systems' software architecture.

## COMPETENCIES

Programming	TypeScript, Python, Go, C#, C++, SQL, CSS
Frameworks	React, NestJS, Next.js, AWS CDK, Azure Functions, Wails, .NET, Svelte, Qt, Pandas
Technologies	Linux, Docker, AWS, Microservices, Kafka, Kubernetes, Azure, CDN, CMS, CI/CD, SAST
Soft skills	Communication, Fast learner, Thorough, Empathic, Driven, Autonomous, Generous

## PROFESSIONAL EXPERIENCE

Present May 2020 Remote Advisor	<b>Senior Software Engineer, FLOMICS, Barcelona, Spain</b> Instrumental in the architectural design, development, automation, enhancement and maintenance of an innovative bioinformatics cloud platform for RNA sequencing analysis, as well as an in-house Laboratory Information Management System. <div>Typescript Python NestJS Next.js AWS Playwright Github Actions Asana</div>
June 2024 November 2023 Remote Full-Time	<b>Senior Software Engineer, LYFEGEN, Basel, Switzerland</b> Contribution with decisive improvements to code quality and functionality for the main company product. Strong involvement in the architecture and transition to a microservices paradigm. <div>Typescript C# React Azure Functions Kafka Azure PostgreSQL Neo4j Jira</div>
Dec 2022 May 2022 Remote Full-Time	<b>Software Engineer, COSUNO, Berlin, Germany</b> Empowered the construction industry through the design and implementation of a cloud-based solution. Development of planning functionalities, enhancing efficiency and accuracy in construction projects. <div>Typescript React NodeJS GraphQL Cypress Prisma Docker Notion</div>
April 2022 August 2021 Remote Full-Time	<b>Software Engineer, DUNELM, London, United Kingdom</b> Devised strategic automation of customer success analytics processes, driving sales, client satisfaction and retention. <div>Typescript React AWS CDK Microservices GitLab Datadog Prismic Jira</div>
August 2021 September 2019 Hybrid Full-Time	<b>Software Engineer, VOID SOFTWARE, Leiria, Portugal</b> Showcased versatility and expertise through comprehensive full-stack software development. Led the creation of diverse solutions for both in-house initiatives and client projects. <div>Typescript Java React Quarkus Redux Jest SCSS Jenkins SonarQube Jira</div>
March 2019 October 2018 Hybrid Full-Time	<b>Scientific Researcher, POLYTECHNIC OF LEIRIA, Leiria, Portugal</b> Collaborated in the "Care4Value" research project, resulting in a collaborative digital platform. Coordinated the creation of both a mobile application and a web platform for collection of clinical data. <div>Javascript PHP React Native Laravel SQLite MySQL Trello</div>

## EDUCATION

2018 - 2020	Masters, Cybersecurity and Digital Forensics, Polytechnic of Leiria, Portugal
2015 - 2018	Bachelor, Computer Science, Polytechnic of Leiria, Portugal

## PUBLICATIONS

ICEA 2019	Solving the Regenerator Location Problem using Swarm Intelligence Algorithms
ENBENG 2019	Care4Value: A Clinical Instrument Data Collection Platform for Long-Term Healthcare Units