

PEDRO FERREIRA

Senior Software Engineer

Full Stack Developer | DevOps Enthusiast



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ABOUT ME

Senior Software Engineer with 6+ years building full-stack applications and cloud infrastructure across fintech, biotech, and e-commerce. Specialized in microservices architectures, cloud platforms (AWS/Azure), and modern TypeScript/Python stacks. Currently seeking roles in distributed systems and scalable architectures.

COMPETENCIES

Programming

TypeScript, Python, Go, C#, C++, SQL, JavaScript, CSS, Neo4j

Frameworks & Libraries

React, NestJS, Svelte, Next.js, .NET, Django, Qt, Pandas, Matplotlib, Scipy, Capacitor

Technologies & Tools

AWS, Terraform, Linux, Docker, Azure, Kubernetes, Microservices, Kafka, Redis

PROFESSIONAL EXPERIENCE

Current
Mar 2025

Full Stack Engineer - MarTrust, London, United Kingdom (Remote)

- Developed and maintained a fintech wallet application serving 30,000+ users.
- Implemented security hardening features:
 - Claim-based endpoint authorization.
 - Cryptographic validation of client requests.
- Optimized cloud infrastructure and deployment pipelines to improve performance and reliability.

TypeScript Svelte Capacitor AWS Terraform Github Actions Tigerbeetle

Mar 2025
May 2020

Software Engineering Advisor - Flomics, Barcelona, Spain (Remote)

- Architected and led development of in-house software solutions, including:
 - Flomics Stratus: a bioinformatics cloud platform for data processing and analysis.
 - Flomics LIMS: a Laboratory Information Management System to streamline lab operations.
- Established pipelines and procedures to enhance software development efficiency.
- Managed and optimized cloud infrastructure to ensure performance, scalability, reliability and security.

TypeScript Python NestJS Next.js AWS Redis Playwright Github Actions

June 2024
November 2023

Senior Software Engineer - Lyfegen, Basel, Switzerland (Remote)

- Led the improvement of code quality and functionality for Lyfegen's core product.
- Played a key role in transitioning to a microservices architecture.
- Actively contributed to the design and development of scalable performant solutions.
- Established and enforced coding guidelines and best practices, fostering a culture of excellence and continuous improvement within the team.

TypeScript C# Neo4j React Kafka Azure PostgreSQL

Dec 2022
May 2022

Software Engineer - Cosuno, Berlin, Germany (Remote)

- Designed and developed features for a cloud-based platform tailored to the construction industry.
- Ensured a user-centric design, optimizing the interface for a clear and intuitive user experience.
- Conducted comprehensive testing on Back-End, Front-End, Database, and External Services components, validating all use cases to ensure high-quality releases.

TypeScript React NodeJS GraphQL Cypress Prisma Docker

April 2022
August 2021

Software Engineer - Dunelm, London, United Kingdom (Remote)

- Automated customer success analytics processes to boost sales and retention.
- Streamlined workflows by developing and deploying strategic solutions.

TypeScript React AWS CDK Microservices GitLab Datadog Prismic

EDUCATION

2018 - 2020 **MSc in Cybersecurity and Digital Forensics**, Polytechnic of Leiria, Portugal
2015 - 2018 **BSc in Computer Science**, Polytechnic of Leiria, Portugal

ADDITIONAL ROLES

2019 - 2021 **Software Engineer - Void Software**, Leiria, Portugal (Hybrid)
2018 - 2019 **Scientific Researcher - Polytechnic of Leiria**, Leiria, Portugal (Hybrid)