

**PEDRO FERREIRA**  
Senior Software Engineer  
Full Stack Developer | DevOps Enthusiast



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**ABOUT ME**

I'm passionate about science and technology, always looking for new challenges. I enjoy learning new technologies and adapting to different environments. I value collaboration and communication, and I try to support others when possible. Outside of work, I like spending time with loved ones, watching movies, listening to music, cooking, meditating, and managing my self-hosted media server. I'm currently seeking Senior Software Engineer roles, with a focus on distributed systems and scalable architectures.

**COMPETENCIES**

- |                                   |   |
|-----------------------------------|---|
| <b>Programming Languages</b>      | TypeScript, Python, Go, C#, C++, SQL, JavaScript, PHP, Java, CSS                          |
| <b>Frameworks &amp; Libraries</b> | React, NestJS, Next.js, .NET, Svelte, Django, Qt, Pandas, AWS CDK, Azure Functions, Wails |
| <b>Technologies &amp; Tools</b>   | Linux, Docker, AWS, Azure, Kubernetes, Microservices, Kafka, Redis, MongoDB, CDN, CMS     |
| <b>Methodologies</b>              | Agile, Scrum, Kanban, TDD, CI/CD, SAST, Git, Code Reviews                                 |

**PROFESSIONAL EXPERIENCE**

- |                            |   |
|----------------------------|---|
| December 2024<br>May 2020  | <b>Senior Software Engineer - Flomics</b> , Barcelona, Spain (Remote) <ul style="list-style-type: none"><li>Designed and maintained in-house software solutions, including:<ul style="list-style-type: none"><li>Flomics Stratus: a bioinformatics cloud platform for data processing and analysis.</li><li>Flomics LIMS: a Laboratory Information Management System to streamline lab operations.</li></ul></li><li>Established pipelines and procedures to enhance software development efficiency.</li><li>Managed and optimized cloud infrastructure to ensure performance, scalability, reliability and security.</li><li>Provided technical leadership and guidance to junior developers, promoting knowledge sharing, collaboration and professional growth.</li></ul> <div>TypeScript Python NestJS Next.js AWS Redis Playwright Github Actions Asana</div> |
| June 2024<br>November 2023 | <b>Senior Software Engineer - Lyfegen</b> , Basel, Switzerland (Remote) <ul style="list-style-type: none"><li>Led the improvement of code quality and functionality for Lyfegen's core product.</li><li>Played a key role in transitioning to a microservices architecture.</li><li>Actively contributed to the design and development of scalable performant solutions.</li><li>Established and enforced coding guidelines and best practices, fostering a culture of excellence and continuous improvement within the team.</li></ul> <div>TypeScript C# React Azure Functions Kafka Azure PostgreSQL Neo4j Azure DevOps</div>  |
| Dec 2022<br>May 2022       | <b>Software Engineer - Cosuno</b> , Berlin, Germany (Remote) <ul style="list-style-type: none"><li>Designed and developed features for a cloud-based platform tailored to the construction industry.</li><li>Ensured a user-centric design, optimizing the interface for a clear and intuitive user experience.</li><li>Conducted comprehensive testing on Back-End, Front-End, Database, and External Services components, validating all use cases to ensure high-quality releases.</li></ul> <div>TypeScript React NodeJS GraphQL Cypress Prisma Docker Notion Jira</div>  |
| April 2022<br>August 2021  | <b>Software Engineer - Dunelm</b> , London, United Kingdom (Remote) <ul style="list-style-type: none"><li>Automated customer success analytics processes to boost sales and retention.</li><li>Streamlined workflows by developing and deploying strategic solutions.</li><li>Collaborated with cross-functional teams to ensure seamless project delivery.</li></ul> <div>TypeScript React AWS CDK Microservices GitLab Datadog Prismic Jira</div>   |

**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)