Pedro Ferreira
Senior Software Engineer
Full Stack Developer | DevOps Enthusiast

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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, meditating and managing my self-hosted media server.
I am pursuing opportunities as a Senior Software Engineer specializing in distributed systems and scalable architectures.

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, Redis, Kubernetes, Azure, CDN, CMS, CI/CD, SAST
Soft skills	Communication, Fast learner, Thorough, Empathic, Driven, Autonomous, Generous

Professional Experience

December 2024 – May 2020
Senior Software Engineer - Flomics, Barcelona, Spain (Remote)
- Designed and maintained 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 and reliability.

`Typescript` `Python` `NestJS` `Next.js` `AWS` `Redis` `Playwright` `Github Actions` `Asana`

June 2024 – November 2023
Senior Software Engineer - Lyfegen, Basel, Switzerland (Remote)
- Enhanced code quality and functionality of Lyfegen's main product.
- Played a key role in transitioning to a microservices architecture.
- Implemented back-end microservices to improve scalability and database performance.
- Actively contributed to the design and development of scalable solutions.

`Typescript` `C#` `React` `Azure Functions` `Kafka` `Azure` `PostgreSQL` `Neo4j` `Azure DevOps`

Dec 2022 – May 2022
Software Engineer - Cosuno, Berlin, Germany (Remote)
- Designed and implemented a cloud-based solution for the construction industry.
- Developed planning functionalities to improve efficiency and accuracy in projects.
- Ensured seamless integration of new features using modern web technologies.

`Typescript` `React` `NodeJS` `GraphQL` `Cypress` `Prisma` `Docker` `Notion` `Jira`

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.
- Collaborated with cross-functional teams to ensure seamless project delivery.

`Typescript` `React` `AWS CDK` `Microservices` `GitLab` `Datadog` `Prismic` `Jira`

August 2021 – September 2019
Software Engineer - Void Software, Leiria, Portugal (Hybrid)
- Developed full-stack applications with a focus on security and coding best practices.
- Led the development of scalable and maintainable software architectures.
- Demonstrated expertise in frontend and backend technologies for seamless integration.

`Typescript` `Java` `React` `Quarkus` `Redux` `Jest` `SCSS` `Jenkins` `SonarQube` `Jira`

March 2019 – October 2018
Scientific Researcher - Polytechnic of Leiria, Leiria, Portugal (Hybrid)
- Collaborated on the "Care4Value" project to create a digital healthcare platform.
- Developed a mobile application and web platform for clinical data collection.
- Ensured project deliverables aligned with research goals and user requirements.

`Javascript` `PHP` `React Native` `Laravel` `SQLite` `MySQL` `Trello`

Education

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