

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

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

PROFESSIONAL EXPERIENCE

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| December 2024 May 2020 | Senior Software Engineer - Flomics , Barcelona, Spain (Remote) <ul style="list-style-type: none">Designed and maintained in-house software solutions, including:<ul style="list-style-type: none">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.Provided technical leadership and guidance to junior developers, promoting knowledge sharing, collaboration and professional growth. <div>TypescriptPythonNestJSNext.jsAWSRedisPlaywrightGithub ActionsAsana</div> |
| June 2024 November 2023 | Senior Software Engineer - Lyfegen , Basel, Switzerland (Remote) <ul style="list-style-type: none">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. <div>TypescriptC#ReactAzure FunctionsKafkaAzurePostgreSQLNeo4jAzure DevOps</div> |
| Dec 2022 May 2022 | Software Engineer - Cosuno , Berlin, Germany (Remote) <ul style="list-style-type: none">Designed and developed features for a cloud-based platform tailored to the construction industry.Integrated new functionalities seamlessly into the existing system using cutting-edge web technologies.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. <div>TypescriptReactNodeJSGraphQLCypressPrismaDockerNotionJira</div> |
| April 2022 August 2021 | Software Engineer - Dunelm , London, United Kingdom (Remote) <ul style="list-style-type: none">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. <div>TypescriptReactAWS CDKMicroservicesGitLabDatadogPrismicJira</div> |

EDUCATION

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

ADDITIONAL ROLES

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