

# PEDRO FERREIRA

## Software Engineer

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📍 Coimbra, Portugal 📅 03/11/1992

Full-Stack Software Engineer and DevOps Enthusiast  
TypeScript Advocate Crafting Seamless Digital Experiences



## COMPETENCIES

**Programming** TypeScript, Python, CSS, C++, C#, SQL, PHP, Neo4j/Cypher  
**Frameworks** React, NestJS, Next.js, React Native, Vue, Svelte, Qt, Pandas, Keras  
**Technologies** Linux, Docker, AWS, GraphQL, Kafka, Azure, Nginx, CI/CD, SAST

## PROFESSIONAL EXPERIENCE

Present November 2023	<b>Software Engineer   Full-Stack Development, LYFEGEN, Basel, Remote</b> Contribution with decisive improvements to code quality and functionality for the Agreement and Rebate Analytics platform. Exceeded expectations in the speed of adaptation to the complexity of existing code systems. <div>React GraphQL C# Azure PostgreSQL Neo4j Kafka Docker</div>
October 2023 May 2020	<b>Software Engineer   Full-Stack Development, FLOMICS, Barcelona, Remote</b> Spearheaded the architectural design, development, and seamless maintenance of an innovative bioinformatics cloud platform. Instrumental in the creation of Flomics Stratus, a pioneering platform facilitating RNA sequencing sample submissions and generating comprehensive analysis reports. <div>NestJS Next.js AWS Prisma Playwright Jest Nextflow Docker Github Actions</div>
Dec 2022 May 2022	<b>Software Engineer   Full-Stack Development, COSUNO, Berlin, Remote</b> Empowered the construction industry through the design and implementation of a dynamic cloud-based solution. Pioneered transformative "Assemble Verification Analysis" functionalities, propelling efficiency and accuracy in construction projects. <div>React GraphQL Cypress Prisma Docker Datadog Mixpanel</div>
April 2022 August 2021	<b>Software Engineer   Full-Stack Development, DUNELM, London, Remote</b> Orchestrated the strategic automation of customer retention processes, driving client satisfaction and retention. <div>React AWS CDK Jest GitLab Docker Datadog Prismic Salesforce Google Analytics</div>
August 2021 September 2019	<b>Software Engineer   Full-Stack Development, 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>React Quarkus Redux Jest SCSS Jenkins SonarQube</div>
May 2019 October 2018	<b>Research Scholar   Full-Stack Development, INSTITUTO POLITÉCNICO DE LEIRIA, Leiria, Portugal</b> Collaborated extensively in the "Care4Value" research project, resulting in the successful development of a collaborative digital platform. <div>React Native Laravel</div>

## EDUCATION

2018 - 2020 Masters, Cybersecurity and Digital Forensics, Instituto Politécnico de Leiria  
2015 - 2018 Bachelor, Computer Science, Instituto Politécnico de Leiria

## 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