

# 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++, SQL, PHP  
**Frameworks** React, NestJS, Next.js, React Native, Vue, Svelte, Qt, Pandas, Keras  
**Technologies** Linux, Docker, AWS, GraphQL, Nginx, CI/CD, SAST

## PROFESSIONAL EXPERIENCE

Present 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><div>NestJS</div><div>Next.js</div><div>AWS</div><div>Prisma</div><div>Playwright</div><div>Jest</div><div>Nextflow</div><div>Docker</div><div>Github Actions</div></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. Received resoundingly positive acclaim for swiftly adapting to intricate codebases and delivering impactful outcomes. <div><div>React</div><div>GraphQL</div><div>Cypress</div><div>Prisma</div><div>Docker</div><div>Datadog</div><div>Mixpanel</div></div>
April 2022 August 2021	<b>Software Engineer   Full-Stack Development, DUNELM, London, Remote</b> Orchestrated the strategic automation of customer retention processes, driving unparalleled client satisfaction. Leveraged technical expertise to design and implement efficient systems, resulting in enhanced customer engagement and loyalty. <div><div>React</div><div>AWS CDK</div><div>Jest</div><div>GitLab</div><div>Docker</div><div>Datadog</div><div>Prismic</div><div>Salesforce</div><div>Google Analytics</div></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, contributing to seamless functionality and elevated user experiences. <div><div>React</div><div>Quarkus</div><div>Redux</div><div>Jest</div><div>SCSS</div><div>Jenkins</div><div>SonarQube</div></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. Coordinated the creation of both a mobile application and a web platform, allowing the collection of essential clinical data. <div><div>React Native</div><div>Laravel</div></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