PEDRO FREDERICO SILVA

SOFTWARE DEVELOPER

Portugal pedrofredsilva@gmail.com +351 914526300 **LinkedIn** | **GitHub** | **Portfolio**

SUMMARY

Full Stack Software Engineer with 6+ years of experience designing and building scalable web applications using Java (Spring Boot), React, Next.js, and AWS. Skilled in developing RESTful and SOAP APIs, architecting microservices, and implementing CI/CD pipelines with Docker and Jenkins. Strong understanding of backend systems and frontend integration, with production support experience across multiple environments.

Based in Portugal and actively seeking remote or on-site opportunities worldwide. Open to relocation and visa sponsorship if required.

PROFESSIONAL SKILLS

Frontend: React, Next.js, JavaScript, TypeScript, CSS, SASS, HTML, JSP
Backend: Java (7 & 8), Spring, Spring Boot, REST APIs, SOAP, Oracle SQL, Maven, Liquibase
DevOps/Tools: Docker, Jenkins, Git, Bitbucket, GitLab
Cloud: AWS (SQS)
Other: Data Structures, System Design, Big-O, Unity, C#, C++, Python, HLSL, OpenGL, CMake, QGIS, ArcGIS

WORK EXPERIENCE

FULL STACK DEVELOPER
(2019 - Present)
Celfocus

- Worked on large complex code bases Vodafone international projects, including Vodafone IITC, Vodafone Ireland, and an IoT initiative, developing and maintaining backend and frontend services, serving millions of users, ensuring reliability and scalability.
- Developed and maintained backend services using Java 8, Spring Boot, and REST APIs in both monolithic and microservices architectures.
- Led the migration of legacy monolith applications to microservices using Spring Boot and Next.js, improving deployment flexibility and scalability.
- Integrated AWS SQS for asynchronous backend queue processing, reducing latency and improving throughput.
- Built frontend interfaces and custom UI components (accordions, calendars, dropdowns, carousels) using React, TypeScript, Webpack, JSP, and HTML/CSS.
- Managed CI/CD pipelines with Jenkins, containerized services using Docker, and deployed across multiple environments.
- Updated database schemas using Liquibase and performed data migrations.
- Conducted production support and incident resolution by analyzing logs across Unix environments using grep, tail, and other shell tools.
- Followed Agile/Scrum methodologies: participated in sprint planning, demos, retrospectives, and daily stand-ups. Also, i use Jira for task management
- Applied design patterns such as Composite, Strategy, Chain of Responsibility, and Builder for scalable and maintainable codebases.
- Wrote unit and integration tests using JUnit, Mockito, and custom assertions to ensure robust test coverage.
- Leading the migration of legacy Oracle WebCenter Content to Contentful, modernizing the content delivery stack, improving editorial workflows, and enabling headless CMS capabilities.

GIS TECHNICIAN
(2018)
Eri Engenharia 2018

- Performed geographic data analysis and digital mapping for infrastructure projects using ArcGIS.

SURVEYOR
(2017 - 2018)
Viamapa

- Conducted field measurements and prepared technical drawings using topographic instruments and CAD tools.

EDUCATION AND CERTIFICATION

BACHELOR'S IN GAME DEVELOPMENT ENGINEERING (2021 - 2024)
Instituto Politécnico do Cávado e do Ave

MASTER'S IN GEOSPATIAL ENGINEERING (2015 - 2017)
Faculdade de Ciências da Universidade do Porto

BACHELOR'S IN GEOSPATIAL ENGINEERING (2010 - 2015)
Faculdade de Ciências da Universidade do Porto

INTENSIVE PROGRAMMING BOOTCAMP (2018)
Academia de Código | 2018