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SERGIO FERNÁNDEZ RINCÓN

CTO ♦ TECH LEAD ♦ SENIOR SOFTWARE ENGINEER ♦ FULL STACK ENGINEER

+6 years of experience in software engineering, I have been leading development teams since my first job as a junior programmer in 2015. Currently, I manage a team of four people, coordinating their daily tasks with agile methodologies to meet our goals. During my academic background, I was a class and student council delegate, leading teams of up to 15 people, and I represented at national level UEx in the IT sectorial (RITSI). I have also been a tutor for student interns and a mentor in the UEx Complice project. My approach to leadership and team management has proven to be effective and results-oriented.

MOST RECENT WORK EXPERIENCE

Chief Technology Officer at Findder Society

October 2024 - August 2025 (Badajoz, Spain)

RESPONSIBILITIES

- Manage the development team and interoperate between Product, Marketing and management.
- Preparation, configuration and CI/CD management of the company's entire operations environment.
- Orchestration of black box testing strategies as a starting point to implement robust and quality software.
- Architecture management and improvement as well as optimisation and cost savings in AWS.
- Improving the recommendation algorithm based on Artificial Intelligence.
- Technical support to the development team and training them in Design Patterns, Clean Code and Refactor.

KEY ACCOMPLISHMENTS

- Improved software quality by applying advanced testing techniques.
- System Integration and Continuous Deployment in complex and tribal systems of the company.
- Migration of CVS and implementation of gitflow.
- Reduction of the previous technical debt by refactoring the front end applying advanced caching techniques in NextJS.

- Optimised image and video compression using ffmpeg and web-optimised formats.

Senior Software Engineer at MetrikaMedia

June 2023 - July 2024 (Cáceres, Spain)

RESPONSIBILITIES

- Management and preparation of software project architecture: backend, frontend, database, infrastructure, CI/CD.
- Lead a team of 4 people, organizing their daily work using agile methodologies, which allowed the company to achieve its weekly goals.
- Analyzed the code developed by the team to improve code quality and reduce technical debt.
- Tested the application through unit tests and reviewed tests performed by the team.
- Identified core product weaknesses and provided solutions to them.

KEY ACCOMPLISHMENTS

- Increased quality in each product process, achieving the objectives proposed by the team with the people I have had the pleasure to lead.
- Minimize the technical debt in each process.
- Reduction of the operational and management costs of the company's products.
- Provide greater security to the infrastructure and system of the main product of the company today.
- Internship tutor of 2 students of Computer Engineering of the UEx.
- Training tutor of 6 students of SolarDrone and the Faculty of Sports Sciences of the UEx.

Full Stack Engineer at MetrikaMedia

June 2022 - June 2023 (Cáceres, Spain)

RESPONSIBILITIES

- Build the frontend of a web application using React, Redux and Saga for music playlist management and synchronization.
- Develop the backend for web applications using Python with the Flask framework and Java with SpringBoot.
- Design and create the relational database for music list management optimizing queries by creating indexes and automating processes using triggers.
- Implement a static web page on top of most listened songs in radios that is automatically generated and deployed with Python.

- Automation of processes in Google Drive using Google App Script to save operational costs.
- Continuous integration and deployment of projects using Jenkins and AWS.
- Code quality system using SonarQube to identify vulnerabilities.

KEY ACCOMPLISHMENTS

- Better understand the operation and encryption in the process of authentication and credential management in a web application relying on the use of cookies in order to avoid possible CSRF attacks.
- Develop a complete web application (backend, frontend, infrastructure, CI/CD) from the beginning as well as the design of its database (MySQL).
- Implement strategies to optimize application development using design patterns and clean architectures.

Researcher at University of Extremadura (UEx)

June 2020 - June 2022 (Cáceres, Spain)

RESPONSIBILITIES

- Automatic management and execution of continuous deployment (DC) and continuous integration (CI)
- Frontend architecture, design and programming with ReactJS, Redux and redux-saga for an important client such as PRISA, Middleware optimization, and Improved architecture, packaging and caching. Automatic report generation with data web visualizers(chartJS) tables or graphs....
- Migration from Fetch to Axios for better request handling.
- Building a complex system of automatic reporting for the measurement of commercial phonograms in talk and music radio stations.

KEY ACCOMPLISHMENTS

- Improved data management using browser cache by building a proprietary system based on LocalStorage, SessionStorage and Cookies.
- Saving report generation and review time from 1 week to just a few minutes.
- Ease of request construction by building a proprietary system with request cancellation using Axios.
- Improved code quality through continuous delivery system integration and continuous deployment.

Programmer at Homería

July 2019 - June 2020 (Cáceres, Spain)

RESPONSIBILITIES

- Continued and improved development of a web application built in ReactJS using Redux for global state management and Jest as a testing tool.

- Continuation and improvement of the backend implementation associated with the web application using Python with Flask, JWT and PyTest as testing tools.
- Application management using Docker and AWS (EC2 machine management and as storage (S3) and Lambda Functions).
- Query optimization, index building and triggers development for task automation in a relational database.

KEY ACCOMPLISHMENTS

- Reduced database query execution time from >30s to 6s.
- Complete migration of the web application to React as much of it was in JQuery.
- Improved security by integrating CORS in the api with JWT and reduced the size of the responses to the browser by encapsulating the responses with gzip.

Junior Programmer at Ibermática S.L

June 2015 - Sept 2015 (Cáceres, Spain)

RESPONSIBILITIES

- Build a web application development for Telefónica client as part of a migration code and architecture using AngularJS to develop the Frontend part, and Jasmine as testing framework for the application.
- Implement a backend solution for web applications with JavaEE using SpringBoot and JPA frameworks and testing code using JUnit.
- Develop database queries using MySQL.
- Head of a team of 4 junior developers.

KEY ACCOMPLISHMENTS

- Learning how a real application works for such an important client as Telefónica.
- After leading a team of 4 people, I acquired my first knowledge about team and people management in a business environment.
- As a development team, we were the first to complete the client's sprints, thus becoming the first company of the 3 contracted by Telefónica to have the contracted part finished.
- Knowledge of how to manage a migration of architecture and code in a real application.

SKILLS

- ✓ Clean Codes
- ✓ Clean Architectures
- ✓ Design Patterns
- ✓ Agile Methodologies
- ✓ Team Lead
- ✓ Project management
- ✓ Team management
- ✓ Coaching
- ✓ Mentoring
- ✓ Java
- ✓ Javascript
- ✓ Python
- ✓ Shell Scripting
- ✓ C++
- ✓ SQL
- ✓ NoSQL
- ✓ SpringBoot
- ✓ Redux
- ✓ Angular
- ✓ React
- ✓ NodeJS
- ✓ Object-Oriented-Programming (OOP)
- ✓ Functional Programming
- ✓ Domain-Driven design (DDD)

EDUCATION

Master's Degree in Computer Engineering at University Of Extremadura (EPCC - School Of Technology)

Feb 2020 - July 2021 (Cáceres, Spain)

Software Engineering at University Of Extremadura (EPCC - School Of Technology)

Sept 2015 - Feb 2020 (Cáceres, Spain)

LANGUAGES

