RAFAEL RAMÓN PAREDES

Tech Lead | Senior Software Engineer | Distributed Systems, AI & Cloud

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SUMMARY

Tech Lead and Senior Software Engineer with experience in SaaS product development and technical leadership of multidisciplinary teams. Currently leading a product team composed of backend, frontend, and QA professionals, contributing to solution architecture, quality, and technical decision-making.

Specialized in Java (Spring Boot) and React (JavaScript/TypeScript) within AWS cloud environments, using Docker, Kubernetes, and Grafana. Experienced in clean architectures, API design, and microservices-based systems for both SaaS and On-Premise solutions, with a strong focus on scalability, maintainability, and continuous improvement.

EXPERIENCE

Tech Lead, IriusRisk

Remote

02/2023 - Present

Technical leadership of a product team focused on the threats and countermeasures module of IriusRisk (Threat Modeling platform).
Acted as the team's technical reference, contributing to architecture definition, technical decision-making, and product evolution. Coordinated and mentored backend, frontend, and QA engineers in a multidisciplinary environment while actively developing new features and improving the platform.
Worked with Java, Spring Boot, React (JavaScript/TypeScript), Vaadin, Docker, Kubernetes, Grafana, and AWS-based cloud architectures, including the integration and adoption of AI-driven solutions within the product and development workflows.

Senior Software Engineer, IriusRisk

Remote

11/2020 - 01/2023

Senior Software Engineer working on the company's main Threat Modeling product, focused on backend and frontend development using Java and Groovy.
Applied clean code principles, design patterns, and TDD practices (mainly with Spock) to build maintainable and scalable solutions. Worked with technologies such as Git, Nexus, SonarQube, Gradle, and Vaadin, while contributing to the migration toward a modern React-based frontend architecture.

Senior Software Engineer, Recursos en la Red

Alicante, Spain

06/2005 - 11/2020

Senior Software Engineer involved in the development of an editorial management system used by newspapers to manage and publish daily content workflows.
Worked primarily with Java, alongside JavaScript-based frameworks and later Vaadin for frontend development. Contributed to the development of QuarkXPress plugins using C and C++, and built enterprise solutions on JBoss/WildFly using technologies such as EJB, REST services, and JMS.
Experienced with Solr, Maven, JPA, Spring Framework, Spring Boot, Git, Subversion, and CVS, applying Hexagonal Architecture and Domain-Driven Design (DDD) principles. Also took on a Development Lead role, helping improve product stability and team processes using tools such as Jira, Confluence, and Bitbucket.

Software Engineer, Cype Ingenieros

Alicante, Spain

05/2004 - 06/2005

Software Engineer working as part of the development team for CYPECAD, a commercial software solution for architecture, engineering, and construction (AEC).
Primarily worked with C language, contributing to the development and maintenance of core application features while collaborating within a team environment using version control and development collaboration tools.

Software Engineer, University of Alicante

Alicante

10/2001 - 02/2004

Software Engineer within the Javalab department, contributing to multiple projects focused on Java-based web technologies. Worked primarily with Java, JSP, Servlets, XML/XSL, and the Tamino XML database, gaining experience in enterprise web application development and collaborative workflows using CVS for version control.

SKILLS

Leadership & Strategy

Technical Leadership: Leading multidisciplinary product teams, Architecture and Design: Defining solution architecture, technical decision-making, and product evolution, Mentorship: Coordinating and mentoring engineers to improve technical standards and workflows, Product Delivery: Managing SaaS and On-Premise product lifecycles with a focus on scalability and maintainability

Backend Development

Languages: Java (Spring Boot, EJB, JPA), Groovy, C, C++, Architecture Patterns: Clean Architecture, Hexagonal Architecture, Domain-Driven Design (DDD), and Microservices, Quality and Testing: Test-Driven Development (TDD) with Spock, Clean Code, and API Design, Enterprise Services: REST services, JMS, Solr, and JBoss/WildFly

Frontend & UI

Modern Web: React (JavaScript/TypeScript), Legacy and Java-Based: Vaadin, JSP, Servlets, and XML/XSL

Cloud, DevOps & AI

Cloud Infrastructure: AWS (Amazon Web Services), Containers and Orchestration: Docker, Kubernetes, Observability and CI/CD: Grafana, SonarQube, Nexus, Gradle, Maven, Git, and Bitbucket, Emerging Tech: Agentic Programming and integration of AI-driven solutions into development workflows

EDUCATION

Bachelor of Computer Science, Computer Science

University of Alicante, Alicante, Spain

09/2001

LANGUAGES

English - Advanced

Spanish - Native