Sergio Ballesteros Gragea

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Over 5 years of experience as a Software Developer. I led FrontEnd development at Atexis, successfully delivering 4 new products. At Proxya, I contributed to the development of hexagonal architectures in Angular for microservices, and as a Java Developer, I worked on maintaining enterprise applications, ensuring quality and continuous improvement.

PROFESSIONAL EXPERIENCE

Freelance   **Remote, Spain**
Full Stack Developer   *Jun 2024 – Present*

- Development and delivery of a locally executed React application for inventory automation, stock reception, and ERP synchronization.
- Development of a SaaS project with Next.js, PostgreSQL, and Large Language Models (LLMs), implementing a modular and scalable architecture, user authentication and roles, monitoring and security best practices, as well as performance optimization across both frontend and backend.
- Key technologies and skills used in my projects:
  o Frontend development with React and Next.js (App Router) (TS): state management (React Context, Zustand, Redux), performance optimization and memoization, REST API consumption and query optimization, reusable component and hook design, Tailwind CSS and UI libraries, testing (Vitest and RTL).
  o Backend development with Deno, TypeScript, and Oak: server setup, routing, CORS, environment variables, Drizzle ORM and database clients, database design and query optimization.
- Automation and custom tools: Playwright scripts and Chrome extensions.
- Continuous learning and adaptability to new technologies, consolidating expertise in frontend, backend, and application deployment.
- Independent project management, from planning to delivery, solving problems and maintaining efficient workflows.

Atexis   **Seville, Spain**
Lead FrontEnd Developer   *Jun 2022 – May 2024*

- Technical and functional leadership in frontend and full stack application development for automation and validation of technical documentation in isolated environments within the defense and aeronautical sector.
- Coordination of development and maintenance of Vanilla JS applications in air-gapped environments, implementing new features and automations.
- Requirements management, functional documentation, estimations and task planning through Azure DevOps, acting as point of contact with clients.
- Full stack development in projects with React, Django and SQLite, integrating solutions with RPA tools such as UIPath and Power Automate.
- Organization and distribution of workload in rotating developer teams, assuming technical mentoring/onboarding functions and delivery tracking.
- Integral product cycle management, from ideation and viability to deployment and support, ensuring alignment with clients and stakeholders.

Proxya   **Seville, Spain**
FrontEnd Developer   *Jan 2022 – Jun 2022*

- Refactoring of monolithic applications to microservices.
- Implementation of functional mockups in Angular replicating the presentation layer of a pre-existing Spring monolithic application, as proof of concept for redesign validation.
- Design and implementation of hexagonal architecture in Angular frontend, incorporating services, adapters and modular decoupled components to interact with the new microservices.
- Development of communication layer with Spring Boot backend using RESTful services, ensuring consistent API contracts and facilitating integration testing.
- Coordination with backend team for alignment on domain definitions, data exchange formats and continuous deployment strategies.

Emergya   **Seville, Spain**
Java Developer   *Dec 2020 – Dec 2021*

- Maintenance of different layers of Hexagonal Architecture (Entity, DTO, Repository, Service, Controller, etc).
- Collaboration with multidisciplinary teams for the development of technological solutions.
- Creation of interfaces with Primefaces.
- PMRC libraries refactoring.
- Code quality assurance, monitoring of project metrics and merits (Sonar Qube).
- Continuous code review and improvement (Jenkins, quality gate).

EDUCATION

IES Francisco Rodríguez Marín   **Seville, Spain**
CFGS Desarrollo de Aplicaciones Multiplataformas   *May 2020*

ADDITIONAL SKILLS

- **Entrepreneurial mindset**: strategic vision focused on creating value and aligning with business goals.
- **Optimization and automation**: constant focus on reducing costs and improving efficiency through technological solutions.
- **Languages**: Native Spanish. Fluent English. Cambridge B1 Certificate.

SIDE PROJECT

Currently developing an AI-powered SaaS that simplifies invoice management by automatically extracting and using data from imported invoices, while streamlining marketplace sales with minimal friction. Curious to learn more? Let's connect!

Stack: Next.js • TypeScript • TailwindCSS • PostgreSQL