Alejandro García Seco

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Summary

~12y of experience in software engineering with an emphasis on backend systems and Java.

I believe that programming languages, frameworks and methodologies are tools that will only be helpful if they are used for the right problem. On the other hand, abstract thinking or isolating responsibilities among other engineering principles, are key factors to succeed in designing and implementing maintainable software that scales.

My most relevant personal and technical skills are:

- Capable of working both autonomously and as part of a team
- Good communication skills both in Spanish and English
- Capable of mentoring and guiding peers, both in-site and remote
- Pragmatic and simple approach to solve problems
- Proficient on various programming languages (Java, JavaScript/Node.js, Groovy)
- Experience in thread safe & concurrent software (e.g. concurrent sessions pools, parallel processing with Hazelcast IMDG, etc)
- Practical knowledge of functional and reactive programming
- REST & SOAP API design
- Experience in building observable and scalable micro-services architectures
- Design & implementation of modular, extendable and multi-tenant software
- Integration of third party APIs (Airline Reservation Systems, Booking Engines or payment gateways)

Beyond the professional realm, I'm a balanced human being who loves to enjoy time with family, friends and outdoors hobbies.

Professional experience

Senior Software Engineer at Marfeel | Barcelona, Spain | Jun 2020 - Present (~1y)

At Marfeel I'm part of one of the core platform teams where I'm shipping performant, reliable and maintainable software that scales, moving as fast as possible without compromising the mentioned non-functional requirements.

So far I have been helping to evolve and refactor a product that serves 1B sessions per month, a massive monolith that is being progressively refactored into a microservices architecture.

In the last months I have been mostly contributing to the construction of the backend services for a new product that will revolutionize the way publishers get insights from their content. It's a highly observable and heterogeneous system where a non-blocking programming model is being used for high throughput.

Caravelo | Barcelona, Spain | Jun 2014 - Present (+5y)

Technical Lead | Jan 2020 - Present

Senior Software Engineer | Jun 2014 - Jan 2020

Caravelo is an IT solutions provider specialised in the airlines and the travel industry. Here I found challenges of various kinds that meant a considerable leap in the improvement of my skills.

In short, at Caravelo I contributed to:

- Design and implement various systems and product lines, either autonomously or along with other colleagues - multi-tenancy, long-term maintainability and scalability is always a requirement
- Hiring new team members
- Guiding and mentoring peers as well as onboarding new hires

Relevant projects I participated on:

- Automated revenue optimization system that helps airlines to control and reduce costs of inventory spillage and spoilage, based on business rules
- Platform of virtual agents (chatbots) that provides various servicing and retailing features for the travel industry
- Internal headless CMS to manage and distribute content across Caravelo's services ecosystem

Software Developer at Irish Manufacturing Research | Dublin, Ireland | Jun 2012 - Jun 2014 (2y)

Design, implementation and benchmarking of the Workplace Knowledge System, a software solution to help engineers in capturing and managing tacit knowledge on the factory floor. MVP with proven success after carrying out several pilots.

DMF Senior (Analyst Programmer) at Everis | Seville, Spain | May 2011 - Jun 2012 (~1y)

Development of web apps and portals for public administrations mainly on Java EE. Analysis, specs definition as well mentoring and assisting a team of 2/3 fellow developers.

Software Developer at Tier1, S.A. | Seville, Spain | Apr 2007 - Apr 2011 (4y)

Development of web apps, ERP and electronic invoicing platform on Java and related technologies/frameworks.

Education

Certificate of Higher Education in Software Development | 2004 - 2006