Software Developer Solutions

Jorge Aguilera

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Knowledge
- 30+ years as Developer
- C, C++, **Java**, Groovy
- **Javascript**, TypeScript, NodeJS
- Maven, Gradle
- Git (GitHub, Gitlab, BB)
- **PostgreSQL**, MySQL, Oracle
- **Kafka**, RabbitMQ, SQS
- **Docker, Kubernetes**
- AWS, Google Cloud
- Asciidoctor

OpenSource Projects
- K8s Caos Operator
- Gradle extensions
- Google DSL (Groovy)
- Asciidoctor Extensions
- MicronautRaffle
- EasyFeedback (Javascript WebSocket)
- FediThread (Javascript threads for Mastodon)
- ...

Publications

101-groovy-scripts blog

Author of eBook "Tutorial Básico de Asciidoctor"

Active member of MadridGuG, Codemotion and esLibre

Speaker at ApacheConf

Education
- 2020 Degree in Data Science (in course)
- 2009-2019 Degree in Computer Engineering (UOC)

Languages
- Spanish (native)
- English

ABOUT ME

With more than 30 years of experience in IT, I've worked in many different sectors where always I focused to bring quality and innovation ideas in every project I've been participated. During several years I've run a one-person company offering services as technical leader and providing my experience to improve the skills of the team, teaching good practices and applying productive tools and languages.

- I'm a regular speaker in different meetups as MadridGuG, Codemotion and esLibre or Apache Conf recently
- **As developer** I have 30 years of experience programming in **C, Java, Javascript, Groovy** and others languages. Also, I have proven experience with SpringFramework stack (SpringBatch, SpringBoot, SpringIntegration,...) Grails and Micronaut as with Quarkus. Although my strengths are in the backend side I'm also able to work with **front tech** using **Angular, Vue or pure vanilla Javascript** for example
- I work usually with **Gradle and/or Maven and Git as source version control**.
- I have developed solutions in disparate environments as web applications, desktop, cash machine, point of sales, web servers and android devices.
- As **software architect** I've designed solutions for middle and large distribute environments applying SOA, REST or GraphQL ... I've experience designing API contract and aligning the team to consume and produce it. I've experience with different cloud providers as AWS, GPC or in premise, using Docker and/or Kubernetes.

Professional experience

Software Architect at EDN (2024)
- Helping different customers in the digital transformation of their systems, migrating from monolithic application to microservice architecture, implement best practices as code review and clean code

Software Architect/DevOps at Baraka (Dec 2022)
- Leading the migration of a NodeJS **Javascript** application deployed in AWS ECS to a **microservice architecture** in Kubernetes.
- Design and deployment of an **ApiGateway** (Apisix) to authorize and route requests to the right service.
- Deployment and monitoring of kubernetes stacks as Prometheus, OpenSearch using **Terraform**

Senior Software Engineer at Seqera (Jan 2022)
- Working in Nextflow, the most popular open source workflow orchestration software in the bioinformatics sector, improving the DSL with new features and helping to the community.
- Design and implement new services with Micronaut, Spring, Kubernetes and AWS

Principal Software Architect at Tymit (March 2020)
- As Principal Software, and due my experience with Grails, I assume the responsibility for proposing improvements to the application as migration to a microservice architecture, new functionalities, etc.
- Design a new Backend For Frontend (BFF) service with Spring and Quarkus and working close with the mobile team to align product requirements with the API design

Software Architect in B2Boost (2018)
- As a software architect, I tried to improve methodologies and designs in a multidisciplinary team working with microservices, most of them in Grails and Angular. I coordinated and supervisor tasks from the team at the same time I developed new features

Software Engineer at Enxendra (2016)
- As a software architect, I've been worked on transforming a monolithic application into a microservice architecture. We are introducing new languages and frameworks, mainly Spring Boot and Groovy/Grails, meanwhile we adapt functionality to this new architecture without disrupting the service.
- Design and implement a solution for SII (Suministro Inmediato de Information) to send millions of invoices per day to the AEAT, using SpringIntegration and RabbitMQ

Software Consultant at Puravida Software (2010)
- Offering my services as Software Consultant to many different customers

Co-founder EDN
- For 12 years, I led various teams of developers in different projects of varied characteristics.