

Javier Rengel

Senior Full-stack Engineer

BSc in Computer Engineering at Málaga University

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Working experience

Stacker (2019-01 / -)

I joined Stacker as a full stack engineer at a very early stage, so we experienced some iterations in the product. It was a very challenging and exciting product to work on, since the goal to allow non technical users to build their own apps was not an easy task; nor from the product point of view (no one has cracked the magic formula yet) or from a technical point of view. We had to design a very dynamic API that could not be tied to a specific schema or configuration, with several generic layers (like permissions or roles), as well as a data cache to keep it performant.

Highlights

- Technologies: Google cloud, Kubernetes, React, Python Django, Celery, Postgres, Memcached
- I was in charge of devops: I designed and maintained Kubernetes clusters for staging and production

Lantum (2017-04 / 2019-01)

Lantum hired me as a contractor to design, maintain their python microservice architecture on Kubernetes in AWS. Eventually I started also making changes to the frontend code built in Angular.

Highlights

- Technologies: AWS, Angular, Python, Kubernetes
- I was in charge of devops: I designed and maintained Kubernetes staging and prod clusters

Network Locum (2015-12 / 2017-04)

Smart team of people with different approaches to work. We all worked really hard on doing a codebase refactor in 6 weeks, defining and creating from scratch all the existing platform features in new Django, Flask docker microservices. We then shifted to a squads-based structure, and I joined the one in charge of the billing process.

Highlights

- Full microservices architecture using Docker and Rancher
- Input on important architectural decisions
- Backend mostly built in Python3, Django and Flask (and a bit of Scala) with PostgreSQL and Redis for persistence
- TDD and BDD
- Continuous integration using Jenkins and Travis
- Conducted software developer interviews

Top10 (2013-05 / 2015-12)

It was a small startup with a team of top-talent engineers, I had the chance to vastly improve my knowledge both in new technologies and good code practices.

Highlights

- Backend microservices development in Scala
- Full custom CMS app built in Scala (Play Framework)
- CI with Jenkins
- Polyglot persistence with Cassandra, Memcached, ElasticSearch, Redis
- Heavy use of Amazon WS (DynamoDB, EC2, S3, SQS, SNS, etc)

Openbet Ltd. (2012-10 / 2013-05)

While the codebase and project was not very flashy, I learned how it feels working in a large company with a large team and I also was introduced to agile (standups, code reviews)

Highlights

- Web backend development for sportsbook sites in Tcl
- Troubleshooting, QA, optimization and code analysis for existing products
- Automation scripts in Bash and Expect in Jenkins.
- Release manager: in charge of the team's code merging, code deployment, and direct support towards clients

Asesores Locales Consultoria S.A. (2009-07 / 2012-09)

Asesores Locales was my first job as a developer. I started by learning some basics on JEE and web development, but fueled by my motivation, after the course of my time there I ended up leading development of some projects, bringing new technology, and mentoring others (I was the

official “innovator geek mind” in the company).

Highlights

- JEE development in several projects, as part of teams and autonomously
- UI with IceFaces, Jboss Richfaces, ADF and Woodstock frameworks
- GIS system development in JEE using MapServer for custom street location service
- Devops: Installation, configuration and maintenance of IBM servers with Windows Server 2008 R2, CentOS and VMWare VSphere hypervisor 5.0
- Administration of Oracle, MySQL and PostgreSQL databases
- Application servers Glassfish v2/v3 and Oracle weblogic
- Product presentations (inside and outside the company)
- Manager role in some projects

Strengths

- Very efficient developer, multi-tasker, right balance between speed and test coverage.
- Can-do attitude.
- Likes to have a good overview of the global architecture, from the backend to the frontend, including databases, APIs, DNS and servers.
- Special focus on performance: able to identify, find and fix bottlenecks.
- Enthusiast and curious: continuously learning and trying new technologies and languages on my spare time
- Motivation to solve difficult problems and build complex features
- Extremely friendly person, excellent working with teams, as well as independently

Personal projects

I am constantly playing with technology in my spare time, including not only application development but also hardware projects and games. You can see my full portfolio on Coconauts.net, and [Github.com/rephus](https://github.com/rephus) but some of the highlights include

- [My own podcast](#) about development (in spanish)
- [StarCraft Unity3D](#) RTS template optimized for mobile, built in Unity3D inspired in StarCraft
- [Retrophies](#), a web emulator of NES games with Achievements and multiplayer gameplay via websockets. and multiplayer gameplay with websockets, featured on Hackernews.
- [Watchduino](#), a smartwatch based on Arduino with Bluetooth communication and companion app for Android. Finalist on the Hackaday Prize 2015.
- Casual mobile videogames released for Android platform since v1.6 [android](#)
- [Gramola](#), a web-based music player written in Node.js