Guillermo **Rodríguez**

SENIOR SOFTWARE ENGINEER · SRE

⌂ guille.github.io | ⌂ guille | ⌂ guille-rodriguez

Experience

Sage
Barcelona, Spain

SENIOR SOFTWARE ENGINEER
May 2025 - PRESENT

- Extended data-integrity checking tool with self-healing capabilites, cutting data-correction cycles from weeks of manual toil to sub-1h engineer time.
- Instrumented SLIs/SLOs via Terraform/New Relic for major services, improving early failure visibility.
- Led design and delivery of new aggregation-based features.

SOFTWARE ENGINEER
April 2021 - May 2025

- Owned major pieces of a CDC-based aggregation stack (MySQL → Maxwell → SQS → Ruby microservice), supporting ~200k events/hr per pipeline.
- Delivered several targeted performance wins, e.g. a nightly analytics job running 6× faster after moving its data source to the aggregation layer.
- Built a data-integrity checking tool, reducing a one hour manual investigation per customer to a <10-second automated scan and enabling proactive whole-DB validation.
- Collapsed pathological nested N+1 patterns (thousands of redundant queries) into a single O(N) path, removing multi-second p99 spikes.

Volta Networks
Barcelona, Spain

JUNIOR SOFTWARE ENGINEER
October 2018 - April 2021

- Implemented customer-facing Python/gRPC API features, coordinating with control-plane and data-plane teams for protocol alignment.
- Refactored a single-threaded Tornado/gRPC service to support per-device concurrency, removing a major throughput bottleneck.
- Contributed to early GitLab CI setup and Docker-based packaging, standardizing development and test environments.

GAM Rentals
Oviedo, Spain

INTERN
January 2018 - March 2018

- Developed an internal Ruby on Rails web application that their drones division used to manage and keep track of their drones, pilots and projects.

Technologies

Professional experience Python, Ruby (+ Rails), .NET Core (C#), JavaScript, AWS, SQL, Terraform, Docker, CI/CD, GitOps
Hobby experience Java, Go, TypeScript, Elixir

Education

Universidad de Oviedo
Oviedo, Spain

B.SC. IN SOFTWARE ENGINEERING
2014 - 2018

- Bilingual program: English and Spanish.
- Bachelor Final Project: "Implementation of the Raft consensus algorithm with the .NET Core platform".

Eindhoven University of Technology
Eindhoven, Netherlands

EXCHANGE SEMESTER
Fall 2016