



Quan Zhou

Software Engineer

I am a software engineer at [Bitergia](#) who loves to automate boring and time-consuming tasks.

Contact

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Education

2018

MSc in Telecommunication Engineering

Rey Juan Carlos University

2015

BSc in Telecommunication Engineering

Rey Juan Carlos University

Expertise

Python

MariaDB/MySQL,
ElasticSearch/OpenSearch

Docker

Ansible, Terraform/OpenTofu

GitHub, GitLab

Google Cloud Platform,
DigitalOcean

Languages

Spanish (Native)

English (Professional)

Interests

Paddle, Video games, Movies,
Gastronomy, Guitar

Experience

Bitergia

Sep 2015 - Present

A software development analytics company specializing in open-source solutions to measure and analyze the health, performance, and community dynamics of software projects for organizations.

Infrastructure Lead (Promoted) | Jul 2020 - Present

I am responsible of the infrastructure across Google Cloud Platform (GCP) and DigitalOcean, making sure our data and services are always available and easy to scale:

- **Infrastructure as Code:** Provision environments and manage the server lifecycle. I make sure everything is automated, version-controlled, and repeatable.
- **Automation and Disaster Recovery:** I build custom solutions to automate complex tasks and built the system that handles automated backups and restore the systems.
- **Telemetry:** I set up the observability and alerting for our stack.

Software Engineer | Sep 2015 - Jul 2020

My responsibilities are to develop, deploy, and provide support for Bitergia's main platform: the [GrimoireLab](#) toolkit. In terms of development and support, these tasks comprehend the whole chain, from collecting the information to generating the metrics and producing visualizations in interactive dashboards. Also, on creating the infrastructure and scalability, by provisioning instances for customers.

- From Oct 2018 to Jul 2020, I was in charge of the platform, from manual deployment to maintenance: bug fixing, migrations, and support requests.
- From Jan 2016 to Oct 2018, I joined the Development team where I gained knowledge of how each element of the product works, and also how to fix bugs and create new features. During this time, I learned best practices for unit testing and using Git.
- From Sep 2015 to Jan 2016, I was part of the Operations team. This period was my entry point to the platform, learning how it works internally and about its deployment.

Rey Juan Carlos University

Mar 2015 - Sep 2015

Research assistant

As part of LibreSoft research group, I focused on data visualization tools to create an application to plot data using different open-source libraries. These visualizations representing metrics are a key part of the research work, used by people in academia and industry practitioners to better understand an open-source project.

Mentoring

2022 - Mining Software Repository ([MSR](#))

[Hackathon Support Co-Chair in Organizing Committee](#).

2019 - Google Summer of Code

Mentor, part of the committee to review and select applicants.