



Adrián López Calvo

Software Engineer

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in [adrianlc](#)  [AdrianLC](#)  [AdrianLC](#)

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Experience on *backend* web development, databases and micro services. I'm the most familiar with the *Python* ecosystem with a preference for open source tools.

Things I love to work with include: APIs, testing, continuous integration, databases and performance tuning

SKILLS

Programming

Advanced

[python](#) | [go](#) | [java](#) | [ruby](#) |
[javascript](#) | [git](#) | [testing](#)

Backend

Advanced

[django](#) | [celery](#) | [sql](#) | [postgresql](#) |
[mysql](#) | [mongodb](#) | [kafka](#) |
[elasticsearch](#) | [web services](#) |
[distributed micro services](#) | [scrapping](#)

DevOps

Intermediate

[ansible](#) | [docker](#) | [kubernetes](#) |
[vagrant](#) | [continuous integration](#) |
[amazon web services](#) | [google cloud](#) |
[travis](#) | [gitlab ci](#)

Frontend

Beginner

[html](#) | [vue](#) |
[django & jinja templates](#) | [css](#) |
[jquery](#)

WORK EXPERIENCE

Software Engineer at Datadog

July 2020 - Current

<https://www.datadoghq.com/>

Skills acquired: [go](#) | [java](#) | [python](#) | [kafka](#) | [postgresql](#) | [micro services](#) | [grpc](#)

I joined after acquisition of Undefined Labs to build the new product for CI Visibility.

- Built and evolved the data ingestion pipeline for CI webhooks.
- Designed a common data model for data from the different CI systems in the market.
- Main responsible for the integrations of the CI Visibility product with Gitlab, CircleCI and Azure DevOps.
- Built a service to ingest junit XML test exports. This makes use of a streaming parser that minimizes memory usage.
- Rewrote a big part of the PostgreSQL schema and queries, with better normalized tables and pre-aggregating results to fix latency issues on the APIs. The latency improvements were huge and it fixed most of the reliability issues.
- Conducted coding interviews to help grow the team and I also mentored interns and new engineers.

Software Engineer at Undefined Labs

May 2019 - July 2020

<https://undefinedlabs.com>

Skills acquired: [python](#) | [django](#) | [postgresql](#) | [graphql](#) | [postgresql](#)

I joined as the only backend engineer in cooperation with the CTO, to build a new SaaS product for visibility on Flaky tests and CI.

- Evolved and maintained the GraphQL API. This was the core used by the React frontend of the product.
- Optimized recursive SQL queries with PostgreSQL to iterate the Git branches as in Git log.
- Maintained the data ingestion code supporting SDK engineers. The data was ingested from SDKs to PostgreSQL.
- Adding Dataloaders to the GraphQL API to improve latency of the app.

Software Engineer at Cabify

December 2017 - May 2019

<https://cabify.com>

Skills acquired: [python](#) | [ruby](#) | [vue](#) | [elixir](#) | [mysql](#) | [docker](#) | [kubernetes](#) | [gce](#) | [google pubsub](#)

I kick-started the Internal Tools team working on internal features for logistics and marketing departments.

- Built a service to delete and anonymize user data in compliance with European regulations.
- Developed a service to give out price discounts in mass to user segments targeted by marketing.
- Mentored less experienced engineers that joined the team.

Backend Developer at HundredRooms

June 2016 - September 2017

<https://hundredrooms.com>

Skills acquired: [python](#) | [celery](#) | [scrapy](#) | [asyncio](#) | [mysql](#) | [mongodb](#) | [ansible](#) | [docker](#) | [kubernetes](#) | [gce](#) | [grafana](#)

Worked on getting the data processing core of the product to the next level.

- Migrated a big part of the systems from in-house servers to the cloud with Ansible.
- Moved most of them to Docker and a Kubernetes cluster.
- Established a reliable deployment process and adequate testing tools.
- Implemented real time data synchronization between MongoDB and MySQL.
- Integrated external data into the platform through several APIs and scraping.
- Developed asynchronous components of the system with Asyncio.
- Upgraded a huge part of the code base from Python 2 to 3.
- Worked on improving the database schema.

Software Engineer at Smartvel

October 2014 - June 2016

<https://smartvel.com>

Skills acquired: [python](#) | [django](#) | [django-rest-framework](#) | [celery](#) | [postgresql](#) | [postgis](#) | [redis](#) | [mongodb](#) | [elasticsearch](#) | [ansible](#) | [vagrant](#) | [aws](#)

Built products of the company focusing mostly on backend and web development.

- Migrated the processing core to an asynchronous queue system with Celery.
- Managed the work queues: routing, priorities, monitoring, concurrency, autoscaling, deployments.

- Built a component to translate texts, obtained through scrapping, automatically.
- Implemented several tools to improve names and boundaries in the geographic data.
- Maintained geographic boundaries with QGIS and shapefiles.
- Set up the MongoDB server with Ansible.
- Handled several major upgrades such as: MongoDB 2 to 3, Django 1.7 to 1.9 or Rest Framework 2 to 3.
- Optimized critical SQL queries, including Postgresql extensions such as postgis, trigrams and full text search.

EDUCATION

Scrum Coaching at Agilar Consultancy

2017 - 2017

BS Computer Science at Universidade de Santiago de Compostela

2009 - 2013

Major courses: [oo programming](#) | [data structures & algorithms](#) | [software engineering](#) | [operative systems](#) | [networks](#) | [system administration](#) | [web development](#) | [web services](#) | [distributed computing](#)

LANGUAGES

Spanish

native speaker

English

advanced

Galician

native speaker

REFERENCES

Available upon request.