JUAN IGNACIO SÁNCHEZ LARA

I'm a **Computer Science Engineer** who has been developing software since 2002. I've delivered projects and contributed to growth at **startups and enterprise** companies, and also started **my own projects**. My interests include **team management, coding, databases, and Agile development**. I collaborate with **Cylicon Valley, a local group** that organizes meetups and two yearly conferences with +200 attendees. I write about software development at **juanignaciosl.github.io**.

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EXPERIENCE

Felt **Individual Contributor**

2021 OCT - current, remote position for Oakland as a contractor

I joined in the seed stage and contributed to the **geospatial data platform**, defining and implementing the architecture for delivering **dynamic and static MVT tiles from uploaded data**. The stack included Python with FastAPI and PostgreSQL, and the usual geo toolbox (PostGIS, GDAL, ogr...). Then, the pipeline evolved towards AWS with Lambda and Step Functions.

Tierra **Tech Lead**

2019 JUL - 2021 SEP, remote position for San Francisco and CDMX as a contractor

I joined in the seed stage encompassing **Engineering Team management** (~6 people) **and development tasks**. I led the roadmap progress and worked on the evolution of the stack, including Deck.gl, React, TypeScript, Node, GraphQL, PostgreSQL, PostGIS, Python...

We built a risk analysis tool that leveraged +15M incidents to deliver meaningful insights to users.

CARTO **Developer ++ Team Lead ++ Data Principal**

2014 OCT - 2019 JUL, remote position for Madrid

I joined as a **backend developer**, addressing new features and maintenance of legacy code at REST APIs and web apps. The work involved Ruby, PostgreSQL/PostGIS, and Python.

I was promoted to **Backend Team Lead**, still coding but also managing the team, which scaled up to ~7 senior developers.

Then I became the **Data Team Lead**. This new team leveraged Python, Node, PostgreSQL, and Google Cloud services among other technologies, to deliver quality data to users.

Finally, as **Data Principal**, my focus moved from management to product-technology fit, designing and implementing **APIs and services for interactive applications at terabyte scale**.

IDIOM COACH **Factotum Co-founder**

2016 SEPT - 2017 JULY, side project

This project explored the opportunity in **getting feedback from an actual English teacher** on every email, GitHub comment, or even tweet that you wrote. I built it with Scala, Play, and PostgreSQL. A diff was sent to customers with the corrections, on a daily basis.

SIDE PROJECTS

Cylicon Valley collaborator: WeCode '18-19, LechazoConf '17-19 (+200 attendees each), meetup...

IDIOM COACH: Scala, Play, Slick, PostgreSQL

Nemesis Energy: Scala, Play, Slick, PostgreSQL, AngularJS

inCitee: Python, Django, iOS

Mis Ofertas de Viaje: Scala, Play, Slick, PostgreSQL, AngularJS

The Exif Game: iOS

TALKS

99 Bottles of OOP Coding Dojo 2018

PostgreSQL: The one tool to bring to a desert island 2017

Do we build the right tools right? 2017

SQL Performance Explained 2016

Introduction to Location Intelligence with CartoDB 2016

Continuous Integration at CartoDB 2015

De Waterfall a Kanban pasando por Scrum 2012

English

First Certificate ('00), **Linguaskill** C2 ('17), **+8 years working remotely in English**

Freelancing **Developer**

2013 - 2014, side project

I delivered 2 major projects for other companies:

- ➔ **Digital signature** app, iOS.
- ➔ Sensor monitoring system for an energy efficiency company, implemented with AngularJS, Scala, Play, and PostgreSQL.

Compiled Cubes **Co-founder and Developer**

2012 - 2013, side project

I co-founded the company and created inCitee, an **app for customer acquisition and loyalty**, focused on geolocation and deals, mixing Groupon and Foursquare. I tackled iOS and web development.

Junta de Castilla y León **Systems Analyst**

2012 - 2014

Software Analyst role. Maintenance and evolution, from requirement analysis to development, of a JEE + Oracle application.

Centro Experimental del Conocimiento **CTO**

2008 - 2012

Developing and leading a +15 developer team with agile methodologies, software stack decisions, project management, JEE software development…

ITACyL **Software Analyst**

2006 - 2008

Project management and software development with JEE, Spring, JSF…

Thales Information Systems **JEE Developer**

2005 - 2006

Telefónica I+D **Web and Security Developer**

2004 - 2005

Ayuntamiento de Valladolid **Web Developer**

2002 - 2003

TRAINING

Universidad de Valladolid **Information Systems Engineer**

2000 - 2006

5-year University degree (3-year Information Systems degree + 2-year Computer Science degree). Final project: "eiGrid Parallel Processing Infrastructure", involving **job queues and parallel batch processing on High Throughput Systems**.