

JUAN IGNACIO SÁNCHEZ LARA

I'm a **passionate software development engineer** who loves new challenges and knowledge. I've delivered projects at **enterprise consultancy** companies for ten years and helped to grow a sparkling **startup** for almost five. I like **databases, coding in different languages, Agile development**, and I'm very interested in **functional programming**. I collaborate with **Cylicon Valley, a local development group** that organizes frequent meetups and two yearly conferences with +200 attendees. From time to time I write [about software](#) at juanignaciosl.github.io.

EXPERIENCE

CARTO Developer, Team Lead, Data Principal

2014 OCT - PRESENT, remote position

I began as a **backend developer**, addressing both new features and maintenance of legacy code, including...

- Orders of magnitude performance improvements at requests.
- Large refactors, so the team became confident and productive.
- Visualization exporting format and tooling.

The work involved **Ruby** and pushing **PostgreSQL/PostGIS** to the limit, and also **Python** for an SDK.

I was promoted to **Backend Team Lead**, still coding and also scaling the team up to ~7 senior developers.

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

My current position is **Data Principal**, where my focus moved from team management to product-technology fit and software design. I designed and implemented **new APIs and services for interactive applications at terabyte scale**.

IDIOM COACH Factotum Co-founder

2016 SEPT - 2017 JULY, side project

At my employer every communication is made in English, and I thought that there was a business opportunity: *what if you got feedback from an actual English teacher of every email, Github comment or even tweet that you wrote?* I coded a system that collected your writings and enabled teachers to review them. It was implemented with **Scala, Play, Slick and PostgreSQL**. A nice diff was sent to customers with the corrections, on a daily basis. We went out to market and got paying customers that were really happy with the service.

Freelancing Developer

2013 - 2014, side project

I delivered 2 major projects for other companies:

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SIDE PROJECTS

Cylicon Valley collaborator: [WeCode '18-19](#), [LechazoConf '17-19](#) (+200 attendees each), monthly [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

COURSES

Université de La Rochelle

Applied Informatics and Multimedia

- **Digital signature** app, iOS.
- Sensor monitoring system for a energy efficiency company, **AngularJS + Scala + Play + PostgreSQL**.

Coursera

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 the best from Groupon and Foursquare. I tackled both **iOS and web development**.

Junta de Castilla y León **Systems Analyst**

2012 - 2014

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

Centro Experimental del Conocimiento **CTO**

2018 - 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**.

Data Engineering on Google Cloud Platform Specialization:

- **Serverless Machine Learning with Tensorflow on Google Cloud Platform**

- **Serverless Data Analysis with Google BigQuery and Cloud Dataflow**

- **Leveraging Unstructured Data with Cloud Dataproc on Google Cloud Platform**

- **Google Cloud Platform Big Data and Machine Learning Fundamentals**

- **Building Resilient Streaming Systems on Google Cloud Platform**

Introduction to Big Data Analytics

Hadoop Platform and Application Framework

Introduction to Big Data

The Data Scientist's Toolbox

Introduction to Data Science in Python

Python Programming: A Concise Introduction

Web Application Architectures

Principles of Reactive Programming

Functional Programming Principles in Scala

SKILLS

Python

Ruby, Ruby on Rails...

Scala, Slick, Play...

Java, JEE, Seam...

PostgreSQL

Google Cloud Data Engineering

Git

SQL

English: First Certificate ('00), Linguaskill C2 ('17), +4 years working remotely in English