

# 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](http://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:

[juanignaciosl.github.io](http://juanignaciosl.github.io)  
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Valladolid, Spain

## 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**

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**.

## 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