JUAN IGNACIO SÁNCHEZ LARA

I'm a **Computer Science Engineer** working on software development and management since 2002. I've delivered projects and contributed to growth at **startups and enterprise** companies, and also started **my own projects**. I collaborate with **Cylicon Valley, a local group about agile software development, entrepreneurship...** I write at **juanignaciosl.github.io**.

EXPERIENCE

Stealth startup **Software Engineer**

2024 FEB - current, remote position for USA

Fever **Engineering Manager**

2023 FEB -2024 FEB, remote position for Madrid

I was hired as **EM for Post-purchase, a B2C team, and Platform, the transversal team for technical initiatives**. I led up to 20 direct reports and worked with TLs and PMs to help build "the Netflix of experiences", including native apps and the web channel. I steered people through their career ladders through mentoring and sponsorship, with the support of metrics and direct 1:1 work. I organized the engineering on-call procedure.

Felt **Individual Contributor**

2021 OCT - 2023 FEB, remote position for Oakland as a contractor

I joined in the seed stage for defining and implementing the architecture that delivered **MVT tiles from user-uploaded data at global scale**. It started with FastAPI (Python), Retool, and the usual geo toolbox (PostGIS, GDAL, ogr...). Then it evolved towards AWS with Step Functions and CDK.

Tierra **Tech Lead**

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

I joined in the seed stage for **Engineering Team management** (~6 engineers) **and development**. I led roadmap definition and evolution of the stack, including Deck.gl, React, GraphQL, PostGIS, Python... We evolved from monolithic DB deployment to incremental deployment, including data QA tooling and feature flagging. DB and queries optimization. We built a risk analysis tool that leveraged +15M incidents to deliver meaningful insights.

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 engineers.

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**.

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**

IDIOM COACH **Factotum Co-founder**

2016 SEPT - 2017 JULY, side project

I explored the opportunity in **getting feedback from an actual English teacher** on every email, GitHub comment, or even tweet that you wrote. Built with Scala, Play, and PostgreSQL.

Freelancing **Developer**

2013 - 2014, side project

➜ **Digital signature** iOS app.
➜ Energy efficiency monitoring, with Angular, 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 engineers 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

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

COURSES

Université de La Rochelle

Applied Informatics and Multimedia

Coursera

How to Manage a Remote Team

Functional Programming in Scala Specialization: Functional Programming Principles ++ Functional Program Design ++ Big Data Analysis with Spark

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