

Ricard Gardella Garcia



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<https://github.com/ricardgardella>

Languages

Spanish (Native)
Catalan (Native)
English (C1)

Programming languages

Java, Python, R, Scala, Erlang,
Javascript, SAPUI5, C++, C,
PL/SQL, Bash Scripting

Databases

Document based
Graph based
Relational (SQL)
Cache based

Programming Paradigms

Object Oriented Programming
Integer Linear Programming
Constraint Programming
Imperative Programming
Functional Programming

Other technologies

AWS, Astronomer, Kafka, Google
Cloud Platform, Spark, Airflow,
DBT, Kubernetes, Terraform,
Apache NiFi, Tableau, SuperSet,
PowerBI, A/B testing, Kepler, Git,
GitLab, GitHub, CPLEX, Linux,
Docker, Latex

Software Engineer and Data Engineer

Summary

I hold a bachelor's degree in computer engineering by the Universitat Politècnica de Catalunya (UPC) and a Master in Research and Innovation in Informatics with the specialty of Data Science at the UPC. I love working with cutting-edge technology, agile methodologies and with good coding practices. I have been able to develop myself working on different types of companies. My main areas of expertise are data engineering, data science, machine learning, and software engineering projects. I compliment these technical skills with high soft skills and team-management skills.

I am passionate about disruptive changes, team-player and motivated by the chance and to use technology and data to solve problems.

Experience

2019–Present **Freelance Software Engineer and Data Engineer** Remote

02/2023–Present **Bitpanda** Hybrid - Barcelona

Data Engineer

Creating solutions from scratch and updating their current infrastructure. Worked in data-pipelines that extract data from the Blockchain providing key insights for the business and regulators.

Main Technologies: Python, SQL, Snowflake, AWS, Astronomer, Airflow

Secondary Technologies: Kafka, Terraform, Debezium, DBT

Other: Web3, Blockchain, Agile Methodologies, Scrum

08/2022–02/2023 **Inditex** Remote

Data Engineer / Tech Lead

Worked in the Sustainability Area of Inditex, contributed to create fashion, innovating and increasing Inditex efficiency in order to make a positive difference for people and the planet. Contributed to create new data objects with millions of records that are used for different teams at Inditex for taking data-driven decisions. Working with Kimball's approach.

Main Technologies: Python, SQL, Snowflake, Azure Cloud

Secondary Technologies: Kafka, MongoDB

Other: Tech Lead, Agile Methodologies, Scrum

10/2021–08/2022 **Vixion Connected Factory** Remote

Software Engineer

Vixion is a IOT monitoring system based in the cloud that analyses and stores data from the different machines that have their PLC installed. Created new functionalities and upgrading the functionalities that they have on production.

Main Technologies: Python, SQL, Data Streaming, Docker

Secondary Technologies: IoT

Other: Agile methodologies, Task management.

01/2021–07/2022 **Goin** Barcelona, ES

Data Engineer

Make Goin's data exploitable at scale by collecting, processing and offering it through a powerful tool set to the rest of the company. Scaled the data infrastructure as Goin grown both in terms of load and cost-effectiveness. Created different data-related micro-service that serve 500K users.

Main Technologies: Python, Google Cloud Platform, Apache Airflow, SQL, DataStudio

Secondary Technologies: A/B Testing, MongoDB, Machine Learning, Micro-services, Docker, Typescript, Kubernetes, RestAPIs, InfluxDB, DeFi, Blockchain

Other: Agile methodologies.

09/2019–01/2021 **Delivery Mates** London, UK
Head of Data
I was working at Delivery Mates leading the data department, solving all their data-related needs. I develop some of the solutions from scratch, designing all the architecture of the solution in cooperation with the CTO and tech team. Managed and coached 2-3 developers.

Main Technologies: Python, SQL, Google Cloud Platform, SuperSet, Tableau, Apache Airflow
Secondary Technologies: MongoDB, React, Ruby
Other: Agile methodologies, task management, team management

07/2019–02/2020 **Reby** Barcelona, Spain
Data Scientist / Data Engineer
Reby is a mobility start-up that operates a mobility platform for shared electric vehicles in Europe with the objective of improving the way that people moves. I developed data science services from scratch, mainly using Google Cloud Platform technologies.

Main Technologies: Python, SQL, Google Cloud Platform, Apache Airflow, Machine Learning
Secondary Technologies: MongoDB, DataStudio
Other: Agile methodologies, task management, team management

02/2018–07/2019 **inLab FIB** Barcelona, Spain
Data Scientist / Data Engineer
The inLab FIB is an innovation and research laboratory from the Barcelona School of Informatics at UPC. I was working in an European project about traffic simulation, with cutting-edge technology using data generated by a traffic simulation tool (Aimsun) to predict travel time in a real scenario which project was my master's thesis.

Main Technologies: Python, SQL, Neural Networks, Machine Learning
Secondary Technologies: CPLEX, Docker

10/2016–02/2018 **Everis** Barcelona, Spain
Software Engineer
I worked in several projects using SAP technologies, mainly SAPUI5 and SAP HANA for costumers such as one of the biggest international leaders in fast moving consumer goods retailer and one of the biggest banks in Spain.

Main Technologies: SAPUI5, SQL, Java, SAP HANA

Education

2017–2019 **M.Sc. in Innovation and Research in Informatics (MIRI), Data Science.** UPC
Thesis: **Travel time forecasting using probe vehicle data on freeways**

2013–2017 **Bachelor's degree in computer engineering** UPC
Thesis: **Machine Learning with H2o and R**

Awards & certificates

2020 **HackCorona: Fraunhofer Institute Prize**
I had the pleasure to participate in the Data Natives hackathon HackCorona where different teams worked to create solutions that could help in the coronavirus crisis. Developed a ChatBot to help engineers build DIY ventilators collecting the different components and making the information more reachable for the engineers.
Won the Fraunhofer Institute Prize.

2018 **Best Data Science project at the HackEPS 2018**
Winner of the best data science project in the hackaton HackEPS2018 in the challenge proposed by BonÀrea, a prestigious Spanish retail company

2016 **Certificate of Advanced English by Cambridge Assessment English**