

Ricard Gardella Garcia



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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

Championed dbt implementation, enabling four teams to manage their data models by Q2 2024. Led team development, cutting project timelines by half while mentoring 3+ members and an intern. Engineered 50+ data ingestion jobs to enrich Bitpanda's data lake, improving data reliability and access. Innovated data platform practices for better security and observability. Pioneered AI at Bitpanda.

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

Created new data objects with millions of records that are used for key stakeholders at Inditex for taking data-driven decisions. Managed and coached 4 data engineers.

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 and improved existing infrastructure and backend. In

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
 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
 Worked in a 18M European Project which was used as a real scenario for my master thesis.
- Main Technologies: Python, SQL, Neural Networks, Machine Learning
 Secondary Technologies: CPLEX, Docker

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**