

# Nando Quintana

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😊 Hello, I am a **software engineer** with more than 20 years of experience building internet products, with a strong background in **data** stuff: **Python**, **SQL** and **platform**.

I speak **Spanish** (Native language), **English** (B2 - Cambridge FCE) and **Basque**.

This is a summary of my career:

Since Jan 2024



## Data Engineer — Mailsuite.com (formerly Mailtrack.io)

python, bash, sql, dbt, aws, glue, pyspark, hudi, athena, rds, superset, docker, k8s, terraform, helm, snowplow, jupyter, pandas, sklearn, llm, opensearch

The data team at Mailsuite helps the product team make data-informed decisions.

I have been involved in:

- Apache Superset deployment and maintenance over Kubernetes in AWS.
- Metrics and dashboards migration to Apache Superset from legacy Looker.
- Snowplow events collector platform maintenance.
- ETLs maintenance and development using Python, PySpark and Athena (trino) SQL.
- DBT metrics and other transformations development using Spark SQL against Apache Thrift, Spark and Hudi in S3.
- Dashboards creation in Apache Superset.
- Data infrastructure administration using Terraform, Docker AWS ECS, EMR, EventBridge, Step Functions, Glue Jobs, Lambda Functions, etc.
- Users clustering and outlier analysis using Python and SKLearn.
- Document search engine and RAG development using LLMs, Opensearch and AWS API Gateway.

I played the role of a full-stack data engineer, assuming these other responsibilities:

- Management of the scrum backlog of tasks and facilitating agile ceremonies.
- Reporting to the CTO, CPO and CEO about business KPIs analytics.

1,5 years from 2022



## Senior Data Engineer — seQura.com

python, bash, sql, postgresql, aws, rds, redshift, spectrum, glue, pyspark, airflow, docker, k8s, terraform, helm, jupyter, pandas, dbt, great expectations, tableau

The seQura data team was in charge of wrangling data generated by other teams in seQura and making it available to be analyzed.

Some of the projects I am directly taking part in:

- Writing ingestion scripts in Python to wrangle data from different data sources (PostgreSQL, GoogleSheets, Jira, Factorial, Hubspot, Parallel, etc).
- Management of the data cloud platform using Docker, Terraform, Kubernetes and Helm.
- Management of the Airflow Server that orchestrates the ELT processes using Python and Bash Script.
- Administration of the AWS S3 and Redshift data lake house where all the data is gathered and stored.
- Maintenance of the legacy ingestion pipelines in PySpark and AWS Glue.
- Maintenance of the legacy real-time ingestion pipelines in Apache Kafka and Debezium.
- Mentor the data analysts to implement SQL transformations using dbt:
  - migrating legacy SQLs into dbt models,
  - implementing Great Expectations and dbt tests,

- and modeling data to optimize the visualization in Tableau.

I played the role of a senior data engineer, assuming these other responsibilities:

- Working with the teammates on the definition of the data team OKRs.
- Management of the scrum backlog of tasks and facilitating agile ceremonies.
- Reporting to the data tech lead about architectural decisions.
- Mentorship of junior data developers.
- Hiring data engineers and analytics engineers:
  - defining the positions and their competencies,
  - designing and grading code challenges,
  - participating in technical interviews,
  - and evaluating candidates.

1 year from 2021



## Senior Data Engineer — Exoticca.com

python, bash, sql, postgresql, aws, rds, lambda, redshift, spectrum, glue, airflow, docker, terraform, jupyter, sagemaker, pandas, numpy, sklearn, dbt, looker

The main objective of the Exoticca data team was to provide analytical information for internal use in the company.

These projects where I was involved in:

- Writing ingestion scripts in Python to wrangle data from different data sources (PostgreSQL, MySQL, BigQuery, GoogleSheets, Aircall API, Salesforce API, etc).
- Building and maintenance of a near-real-time pipeline to ingest data about flight prices using AWS lambda, AWS SQS, Python, Docker and PostgreSQL.
- Management of the data cloud platform using Terraform.
- Management of the Airflow Server that orchestrates the ELT processes using Python and Bash Script.
- Administration of the AWS S3 data lake and the AWS Redshift data warehouse where all gathered data was stored.
- Maintenance of the legacy PostgreSQL data warehouse.
- Visualizing data using Python Notebooks, pandas and Plotly for internal reporting.
- Working with the data analysts to implement SQL transformations using dbt:
  - migrating legacy SQLs into dbt models,
  - implementing Great Expectations and dbt tests,
  - and modeling data to optimize the visualization in Looker.
- Collaboration with the data scientists on the development and deployment of several machine learning models:
  - price prediction using Python and sci-kit-learn RandomForestRegressor,
  - sales forecast using Python and TensorFlow Keras

I played the role of leader of the data engineers, assuming also these responsibilities:

- Working with the Product Manager on the definition of the data team OKRs.
- Weekly meetings with other team tech leaders to ensure company alignment.
- Reporting to the CTO about architectural decisions.
- Mentorship of juniors developers.

2'5 years from 2018



## Lead Data Engineer — Heepsy.com

python, javascript, es6, bash, sql, postgresql, elasticsearch, nginx, mongodb, redis, proxies, scrapy, airflow, docker, terraform, jupyter, pandas, numpy, tensorflow, keras

The mission of the Heepsy engineering team was to collect data about influencers from several social networks and make it available to our clients through a search engine.

The projects I directly took part in:

- Maintaining web scrapers written in Javascript and Node.
- Writing new web scrappers in Python and Scrapy.
- Administration of the PostgreSQL and MongoDB databases where the data was landing.
- Administration of the ElasticSearch server where users' search queries were running.
- Design and maintenance of a scalable queue system to handle web scrapers' inputs and outputs using AWS SQS and Redis.
- Management of the cloud platform where the web scrapers were running using Terraform.
- Implementation of the development environment for the engineering team using Docker.
- Management of the Airflow server where web scrapers were orchestrated and data pipelines were hosted.
- Building ETL scripts in Python, SQL and Bash to transform data and move it through different stages.
- Visualizing data using Python Notebooks, pandas and Plotly for internal reporting.
- Working with the data scientist in the implementation and deployment of several machine learning models:
- Age and gender detection through face recognition using Python, Dlib and PyTorchWideResNet,
- Unsupervised categorization through natural language processing using Python, Nltk and Gensim Word2Vec,
- Supervised categorization using Python, Sbert SentenceTransformer and TensorFlow Keras.

My role evolved soon to data team lead, assuming also these responsibilities:

- Management of the scrum backlog of tasks.
- Definition and tracking of the data team OKRs.
- Work with other departments on product discovery.
- Reporting to the CTO about architectural decisions.
- Reporting to the CEO about the objectives of the team.
- Mentorship of a junior developer.

6 months 2018



## Senior Fullstack Developer— Freelance

docker, bash, scrapy, web, backend, python, django, mysql, bash, nginx, gunicorn, rabbitmq, elasticsearch, django-rest-framework, graphql, javascript, es6, reactjs

1 year from 2017



## Senior Research Technician — DeustoTech (University of Deusto)








docker, bash, web, backend, python, django, mysql, bash, nginx, gunicorn, rabbitmq, javascript, css, html5, android, kotlin, swift, raspberry-pi

6 years from 2011



## Founder — Tiendata.com (simple virtual stores)

python, django, mysql, bash, nginx, gunicorn, rabbitmq, memcached, javascript, css, html5

1 year from 2010	 <b>Founder</b> — Murmu.com (record 5 seconds of sound and share it) objective-c, android, java, python, django, postgresql, postgis, bash, apache, javascript, openlayers, css, html5
1 year from 2009	 <b>Cofounder</b> — Transket.com (translation market) python, django, mysql, bash, apache, javascript, css, html5
0,5 years from 2008	 <b>Internet Development Manager</b> — Vocento (local <i>YellowPages</i> -like directory) php, postgresql, postgis, python, bash, apache, smarty, javascript, jquery, openlayers, css, html
3 years from 2005	 <b>Engineer</b> — Codesyntax (internet solutions) python, zope, zope3, turbogears, django, mysql, postgresql, postgis, bash, apache, javascript, openlayers, css, html
3 years from 2002	 <b>Research Assistant</b> — University of Deusto (computational linguistics) xml, python, django, zope, mysql, bash, apache, javascript, css, html
2 years from 2002	 <b>Master of Science in Computer Science</b> — University of Deusto
5 years from 1997	 <b>Computer Engineering</b> — University of Deusto