

MARIO BURBANO

Cloud Data Engineer and Analyst

Date of birth 14 November 1984 Nationality Irish/Colombian 📍 Antony, FRANCE
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PhD in Computational Chemistry with extensive experience in cloud computing, task automation and data analysis.

EXPERIENCE

TOCOMPLETE

TOCOMPLETE

📅 2021 – Ongoing 📍 Paris, France

- TOCOMPLETE

Research Engineer

CEA

📅 2016 – 2018 📍 Saclay, France

- TOCOMPLETE

Ph.D. in Computational Chemistry

Trinity College Dublin

📅 2009 – 2014 📍 Dublin, Ireland

Computer modelling of metal oxides

- Carried out molecular simulations of materials for energy production and storage
 - Used Fortran/MPI to write simulations and data analysis programs
- 12 peer-reviewed articles, h-index 11, 577 citations

SKILLS

High Performance Computing ●●●●●

Cloud Computing ●●●●●

Molecular Modelling ●●●●●

Mathematics / Statistics ●●●●●

Data Visualization ●●●●●

Computer science

Python ●●●●●
SQL ●●●●●
Linux/Unix/Bash ●●●●●
Machine Learning ●●●●●
git ●●●●●
Docker ●●●●●

AWS GCP Dataiku DSS SAS
Talend pandas Plotly/Dash
scikit-learn Flask Visual Studio Code
Embedded Systems Statistical Analysis
Fortran LaTeX Parallel computing

Cloud Services

BigQuery Airflow PubSub
AWS EC2 AWS Lambda

LANGUAGES

- Spanish – Native language
- English – Native level
- French – Advanced level

EDUCATION

Ph.D. in Computational Chemistry

📅 2009 – 2014 📍 Trinity College Dublin

B.A. in Computational Chemistry

📅 2004 – 2009 📍 Trinity College Dublin