



GIOVANNI BRUNETTI

Big Data and Software Engineer

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 linkedin

SUMMARY

I'm a computer scientist based in Italy focused on working in the Big Data context. I love writing code and solving problems with it!

I have been a Big Data Engineer since 2020 across multiple domains: **energy**, **telecommunications** and **insurance**.

SKILLS

Technicals: GCP (BigQuery, Composer, DataFlow, BigTable, ecc), Cloudera Ecosystem, Scala, SQL, Python, Scala, Bash, Docker, Kubernetes, Spark, Hadoop, Hive, Jenkins, Airflow, Kafka, SonarQube, Git, Maven, Sbt, Functional Programming, HDFS, Team Tools and methodologies (Jira, Confluence, Scrum)

Soft Skills: Problem Solving, Proactive, Team Working, Passion, Time Management, Challenge Seeker

EXPERIENCE

10/2022 – NOW

Big Data and Software Engineer

Agile Lab

- Consultant for a major Italian **insurance** company:
 - Data modelling and data partitioning in a Cloudera Platform ecosystem.
 - Defining and developing Spark job using Scala for Ingestion and processing real-time and batch data.
 - Development of NiFi pipeline to orchestrate jobs.**MAIN TECHNOLOGIES: SCALA, SPARK, HIVE, IMPALA, SQL, POSTGRESSQL, HBASE, HDFS, BASH, SSH, JENKINS, KAFKA**

01/2020 – 10/2023

Big Data and Software Engineer

VT Solutions & Consulting

- Consultant for a major German **telecommunications** company:
 - Data modeling and data partitioning in a Google Cloud Platform ecosystem.
 - Defining and developing DataFlow job using Scala for Ingestion and processing real-time and batch data.
 - Development of Airflow DAGs using Python to orchestrate ETL operations on data for a DWH.**MAIN TECHNOLOGIES: SCALA, PYTHON, BIG QUERY, COMPOSER, SQL, POSTGRESSQL, BIG TABLE, GCS, BASH, JENKINS, KAFKA, PUB SUB, AIRFLOW, SONARQUBE**
- Consultant for a major Italian **telecommunications** company. The main task was to write some guideline documents about the main approaches and best practices in a Big Data platform and its reference environment
 - Software component structure and code documentation.
 - Git integration Strategy (with particular focus on branching models like Git-Flow and GitHub-Flow, code and environment promotion).
 - Data Lake principles (data ingestion, data preparation, data exporting, testing).
 - Lambda architecture, data modeling, data preparation, partitioning.
 - Analysis for migration of Cloudera Ecosystem to Google Cloud Platform.
- Consultant for a major Italian **energy** company.
 - Development of Apache Spark batch jobs using Scala for ingestion and processing of Avro file landed in HDFS.
 - Design and development of Data Quality Spark Processing Jobs for reports based on Hive and Impala.
 - Data Lake principles (data ingestion, data preparation, data exporting, testing).
 - Data preparation, data modelling and data partitioning.**MAIN TECHNOLOGIES: SCALA, JAVA, PYTHON, SQL, POSTGRESSQL, BASH, JENKINS, SONARQUBE**

CERTIFICATIONS

7/2022 – 7/2024

GCP Professional Data Engineer
certified link

Google Cloud

02/2022

Astronomer Certification for Apache Airflow Fundamentals and DAG Authoring
certified link Fundamentals
certified link DAG Authoring

Astronomer

10/2023

PET B1
certified link

University of Cambridge

10/2019

Best Student Machine Learning
certified link

Università della Calabria - Department of Mathematics and Computer Science

09/2012 – 10/2012

Attendance course at ETC International College
certified link

ETC International College, Bournemouth, England

EDUCATION

2021	Master Degree in Computer Science Università della Calabria - Department of Mathematics and Computer Science	University of Calabria
2017	Bachelor Degree in Computer Science Università della Calabria - Department of Mathematics and Computer Science	University of Calabria

LANGUAGES

English - B1+, Italian - native

DRIVING LICENCE

Driving Licence: A1, B