Giovanni Brunetti

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Gender: Male   **Date of birth:** 30 Aug 1994   **Nationality:** Italian

ABOUT ME

Big Data Engineer since 2020 in the Energy and Telco Providers sector.
Among the various experiences:
- Data modeling and data partitioning in the Google Cloud Platform environment
- Dataflow job development with Scala for Ingestion and ETL purposes
- Data preparation, Data modeling and data partitioning in the Cloudera environment
- Job Spark development for Ingestion and ETL

WORK EXPERIENCE

[Jan 2020 – Current] **Big Data Engineer**

VT Solutions & Consulting

City: Rende
Country: Italy
Main activities and responsibilities:
Working on various internal and external (as a consultant) projects in Big Data field.

[Feb 2021 – Current] **Big Data Engineer Consultant**

Sky Deutschland GmbH on behalf of NTT Data Italia and VT Solutions & Consulting

Main activities and responsibilities:
SKY DE on behalf of NTT Data Italia

Main topics:
- Data modelling and data partitioning in a Google Cloud Platform ecosystem using **Big Query**.
- Development of **Dataflow job** using **Scala** for Ingestion and processing realtime data (**Avro**) ingested by kafka
- Development of Google Airflow DAGs using Python to perform etl operations on data for DWH.

[Oct 2020 – Feb 2021] **Big Data Analyst Consultant**

Telecom Italia S.p.A. on behalf of Bip and VT Solutions & Consulting

Main activities and responsibilities:
Big Data Analyst on TIM Genomics Project.
The main task was to write some guideline documents about the main approches and best practices in a Big Data platform and its reference environment. The two documents were mostly on Big Data development and architecture with particular attention for the following points:
- 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**.

[Jan 2020 – Oct 2020] **Big Data Engineer Consultant**

Enel S.p.A. on behalf of ATOS S.p.A. and VT Solutions & Consulting

Main activities and responsibilities:
Big Data Engineer on Enel Next Project using Scala and Java programming languages, Hadoop Cloudera
Distribution. Main topics:
- Development of **Apache Spark** batch jobs using **Scala** for Ingestion and processing of **Avro** file landed in **HDFS**.
- Desing and development of Data Quality Spark Processing Jobs for reports based on **Hive** and **Impala**
- Data preparation, Data modelling and data partitioning
- Highly focused on the transformation and analysis phase of the data for the reporting phase.

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B2 **READING** B2 **WRITING** B1

SPOKEN PRODUCTION B1 **SPOKEN INTERACTION** B1

EDUCATION AND TRAINING

[2017 – 2021] **Master Degree in Computer Science**

Università della Calabria - Department of Mathematics and Computer Science   https://www.unical.it/portale/

Address: 87036, Rende, Italy
Level in EQF: EQF level 7

[2013 – 2017] **Bachelor Degree in Computer Science**

Università della Calabria - Department of Mathematics and Computer Science   https://www.unical.it/portale/

Address: 87036, Rende, Italy
Level in EQF: EQF level 6

[Oct 2012] **PET B1**

University of Cambridge

https://www.icloud.com/iclouddrive/0NFIiSrsMi3tyW8ZlZu8LOw-A#pet

Data Engineering with Google Cloud Specialization

Coursera   https://www.coursera.org/professional-certificates/gcp-data-engineering

Field(s) of study: Information and Communication Technologies
https://www.coursera.org/account/accomplishments/specialization/certificate/57H9JBQYSXS7

[Mar 2022] **Astronomer Certification for Apache Airflow Fundamentals**

Astronomer   https://academy.astronomer.io/

Main subject / occupational skills covered:
Certification link: https://www.credly.com/badges/f424a105-4f82-4de6-91bf-70a299052e09?source=linked_in_profile

Google IT Automation with Python

Coursera | Google   https://www.coursera.org/professional-certificates/google-it-automation

https://coursera.org/share/ba7869018a8949a61f5cb3aceff1e3fe

[Dec 2019 – Jan 2020] **TRAINING: Study and use of a Big Data ecosystem**

VT SOLUTIONS & CONSULTING   http://www.vtsolutions.it/

Address: 87036 , Rende, Italy
Field(s) of study: Information and Communication Technologies : *Software and applications development and analysis*

[2013] **Secondary school diploma: Business High School**

Italian Secondary School: ITAS ITC   http://www.itasitcrossano.edu.it/

Field(s) of study: Business, administration and law , Information and Communication Technologies
https://www.icloud.com/iclouddrive/0TEk9BS9uPXnbfdgowss2SOcQ#DIPLOMA

DIGITAL SKILLS

Programming Languages and Similar

Scala | Parallel Programming (MPI, OpenMP) | Answer Set Programming | Web Development HTML 5 CSS JavaScript | Active Server Pages | OpenGL | Java | C, C++, C# | Unity 2D/3D | PERL (elementary proficiency for parsing) | Android Studio (sviluppo mobile Android) | Python

Big Data Skills

Hadoop (Hive Spark) | Hive | Dataflow | impala | Bigtable | BigQuery | Apache kafka | Apache Spark

Generic Skills

Design Patterns | GIT (GitHub) | Tools: Eclipse, IntelliJ, Maven, SVN, Git, LATEX | Docker containers | Continous Integration | Clean Code | SBT | Unit Testing | Jira | Microsoft Office | Spring Maven | Apache Tomcat | Agile (Scrum) | Web Browsers | Object-Oriented Programming | Code Review | Confluence

DataBase and Data Analysis

JSON | Penthao | SQL | Apache Parquet | csv | Apache AVRO | Relational databases | Tableau (data analysis)

HONOURS AND AWARDS

[5 Nov 2019] **Best Student Machine Learning** **Awarding institution:** Università della Calabria - Department of Mathematics and Computer Science

Best Student in Machine Learning Certificate

https://www.icloud.com/iclouddrive/04QwjtTu42vB1e1-0HA5CC-mg#bs_machine_learning

[5 Oct 2012] **Attendance course at ETC International College, Bournemouth, Inghilterra**
Awarding institution: ETC International College, Bournemouth

Certificate of attendance for PET preparation course at ETC International College, Bournemouth, Inghilterra

https://www.icloud.com/iclouddrive/0z_FGaHDIwb5aYkfD03TKBF1Q#ETC_Certificate

DRIVING LICENCE

Motorbikes: A1
Cars: B