



# Giovanni Brunetti

📍 **Address:** 87064, Corigliano-Rossano, Italy

✉ **Email address:** [gb1609@outlook.com](mailto:gb1609@outlook.com) 🌐 **Website:** [www.giovannibrunetti.it](http://www.giovannibrunetti.it)

🌐 **LinkedIn:** <https://www.linkedin.com/in/giovanni-brunetti-aa062b132/>

📷 **Instagram:** <https://www.instagram.com/g1b1609/>

**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 in NEW-CRM project. 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 approaches 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 on 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.
- Design 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 transformation and analysis phase of the data for 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

**Main subject / occupational skills covered:**

Key concepts regarding theoretical Computer Science, software engineering, machine learning, artificial intelligence, big data, data analytics, data warehouse etc.

[ 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

**Main subject / occupational skills covered:**

Basic of programming, object-oriented programming, and on the fundamental concepts of analysis, statistics, physics. Fundamentals of database and software engineering.

[ Oct 2012 ] **PET B1**

**University of Cambridge**

<https://www.icloud.com/iclouddrive/0NFliSrsMi3tyW8ZlZu8LOw-A#pet>

[ Jan 2021 ] **Data Engineering with Google Cloud Specialization**

**Coursera** <https://www.coursera.org/account/accomplishments/specialization/certificate/57H9JBQYSXS7>

<https://www.coursera.org/account/accomplishments/specialization/certificate/57H9JBQYSXS7>

[ Aug 2021 ] **Google IT Automation with Python**

**Coursera | Google** <https://www.coursera.org/account/accomplishments/specialization/certificate/MJEDKUL6CEKU>

<https://coursera.org/share/ba7869018a8949a61f5cb3aceff1e3fe>

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

**Astronomer** [https://www.credly.com/badges/f424a105-4f82-4de6-91bf-70a299052e09?source=linked\\_in\\_profile](https://www.credly.com/badges/f424a105-4f82-4de6-91bf-70a299052e09?source=linked_in_profile)

[ Mar 2022 ] **CodinGame Certification - Scala**

**CodinGame** <https://www.codingame.com/home>

[ 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 Airflow | Apache Spark

### Generic Skills

Design Patterns | GIT (GitHub) | Tools: Eclipse, IntelliJ, Maven, SVN, Git, LATEX | Docker containers | Continuous 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/icloudrive/04QwjtTu42vB1e1-0HA5CC-mg#bs\\_machine\\_learning](https://www.icloud.com/icloudrive/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/icloudrive/0z\\_FGaHDIwb5aYkfD03TKBF1Q#ETC\\_Certificate](https://www.icloud.com/icloudrive/0z_FGaHDIwb5aYkfD03TKBF1Q#ETC_Certificate)

## DRIVING LICENCE

---

**Motorbikes:** A1  
**Cars:** B