



Simone Minasola

Cloud Engineer

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About me

I am a Cloud Engineer with a knowledge in Big Data and Data Analysis. For some years i have dedicated myself to the study of AWS Cloud Services, and i still use them for personal and work projects. I am a Certified AWS Solution Architect. I've always been passionate about technology in general, and i'm always looking for opportunities to expand my technical knowledge. I am now involved in the Big Data business unit for Claranet Italy, with the aim of extracting value from the data for our customers.

Skills

- Linux, Command Line Tools
- ETL, Hadoop Ecosystem, Spark
- AWS CI\CD Tools
- Python, Java, BASH
- Terraform, CFN, Ansible, Packer

Interests

I am very interested in Cloud Computing, in particular in the design of scalable and secure infrastructures. Not long ago I began to learn the applicability and efficiency of completely serverless architectures, and therefore my future goal is to learn more about this approach. I really like working on Big Data, and being able to extract and process information useful for BI unit. I am starting a course of study for the Databricks and AWS Data Analytics certifications.

Education

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|-------------|--|---------------------------------|
| In progress | M.Sc. Data Science and Engineering Majoring in Computer Engineering | University of Rome, Tor Vergata |
| 2017 | B.Sc. Software and Web Systems Majoring in Computer Engineering | University of Rome, Tor Vergata |

Certification

AWS Certified Solution Architect
SAA-C02

Experience

| | | |
|---------|--|------------------|
| Present | Claranet | Cloud Engineer |
| | Design and definition of new Cloud infrastructures according to customer specifications, monitoring and maintenance of critical infrastructures, and management of customer relations. | |
| 2019 | C.P.S. | Junior Developer |
| | Requirements analysis and functional analysis for porting application services from on-premise to Cloud, User Acceptance Test of critical applications. | |

Some Projects

Personal projects

CI/CD for deployment of static website on AWS
Create and maintain a static website on AWS saving money by using S3 buckets as hosting, CDN CloudFront for the distribution of static assets, ACM for the generation of certificates and CodePipeline and CodeBuild for CI/CD.

Reliable UDP
A client-server application for file transfer using the network service without connection (UDP) providing file transfer reliably. Written entirely in C, and used for a university project.

Corporate projects

Contact Center on Cloud
Simple and powerful Contact Center created for one of the largest European insurance brands on AWS with Amazon Connect. The entire management system has been developed completely serverless with Lambda, Kinesis and Aurora Serverless using Terraform as IaC tool.

ETL workflow for massive processing
ETL workflow build on AWS with StepFunction as orchestrator, lambda for flow activation and external API invocation, Glue for sources crawling and Apache Spark for ETL scripts. I used PySpark, and i wrote the scripts to run both locally and on AWS Glue independently, to have the customer run the unit tests as desired. Finally, a pipeline manages the release in the staging and production environment.

Recommendation engine for CondéNast International
GENIUS is a recommendation engine used by CondéNast Interntional for all of its websites (Vanity Fair, Vogue, GQ, ...). I participated in the realization of a POC for the comparison of recommendation services, creating ETL jobs for data transformation and uploading to Amazon Personalize.