

# Claudio Scalzo

CLOUD ENGINEER @ STORM REPLY

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Born in Italy in 1994. Passionate about the whole cloud computing landscape. Strong analytical thinking and team-working skills. AWS Certified Solutions Architect.  
Languages: Italian (MT), English (C1), French (intermediate).



## Experience

### Storm Reply

Turin, Italy

#### AWS CLOUD ENGINEER

Feb 2019 - now

- Worked for various large companies, migrated on-premises assets and designed cloud-native infrastructures.
- Worked with IaaS/PaaS services, providing architectures (re)design and management in the AWS platform, with a microservices approach.
- Implemented custom automation software to improve the cost-effectiveness of the customers' workloads.
- Automated the development workflow with CI/CD pipelines based on standard DevOps tools and AWS managed services.

### SAP France

Paris, France

#### SOFTWARE ENGINEER / DATA ENGINEER INTERN

Jul 2018 - Dec 2018

- Worked on a Data Lake platform based on Microsoft Azure, adding a framework to extend the ETL jobs with machine learning capabilities, external data ingestion and ADLS data transfer custom techniques.
- Leveraged Spark parallelization, exploiting the HDInsight clusters distributed computing, making the output available in Hive tables directly consumable by the business data warehouse (on SAP HANA).
- Managed Jenkins continuous delivery pipelines for both testing and production environments; provided support, troubleshooting and solution proposals during the daily team operations.

## Education

### Double Degree in Data Science and Engineering

Sophia Antipolis, France

#### EURECOM / TELECOM PARISTECH

Sep. 2017 - Apr. 2019

- Double Degree program between Telecom ParisTech and Politecnico di Torino

### Master of Science in Software Engineering

Turin, Italy

#### POLITECNICO DI TORINO

Sep. 2016 - Apr. 2019

- with the highest grade, 110/110 with honors

### Bachelor's Degree in Software Engineering

Turin, Italy

#### POLITECNICO DI TORINO

Sep. 2013 - Jul. 2016

- with the highest grade, 110/110

## Skills

#### Cloud Platforms

AWS • Microsoft Azure

#### Languages

Python • Java • C • C# • SQL • JavaScript • SPARQL • Bash • x86 Assembly

#### Big Data

Apache Spark • Apache Hive • MapReduce & HDFS • NoSQL DB Architectures

#### OSs & DevOps Tools

Linux Server • Jenkins (CI/CD) • Git • Docker • Kubernetes

#### Machine Learning

Spark ML • scikit-learn • Keras • Deep Learning (NNs, CNNs, RNNs) • NLP

#### Other Tools & Platforms

Rundeck • Jupyter / Zeppelin Notebooks • Dialogflow (+ BotKit)

## Certifications

### AWS Certifications

JUN 2019

- **AWS Certified Solutions Architect - Associate Level** • [github.com/claudioscalzo/cv/raw/master/documents/aws\\_csa\\_associate.pdf](https://github.com/claudioscalzo/cv/raw/master/documents/aws_csa_associate.pdf)
- **AWS Certified Cloud Practitioner** • [github.com/claudioscalzo/cv/raw/master/documents/aws\\_ccp.pdf](https://github.com/claudioscalzo/cv/raw/master/documents/aws_ccp.pdf)

## Projects

### Virtual Assistant for answering music related questions

2018 | [GITHUB.COM/D2KLAB/MUSIC-CHATBOT](https://github.com/D2KLAB/MUSIC-CHATBOT) • [CHATBOT.DOREMUS.ORG](https://chatbot.doremus.org)

- Virtual assistant development (in the chatbot and vocal assistant forms), capable of answering music related questions and providing detailed graphical results. Informations extracted from the *DOREMUS* knowledge base, queried using the SPARQL language.
- Built with Node.js, using the BotKit framework. Trained Google Dialogflow as NLP. Facebook Messenger, Slack and Google Assistant support.
- Contributed with two accepted pull requests to the `botkit-middleware-dialogflow` author, for concurrency and language support.