

# Bocchino Daniele

*Jr. Software Development Specialist | Cloud & Data Enthusiast*

[in LinkedIn](#) | [portfolio](#) | [GitHub](#) | [Lugano, Switzerland](#) | [bocchino.daniele@gmail.com](#) | [+41 079 514 14 97](#)

## Skills

- Python | Javascript | Typescript | Java | Dart | Flutter | React | React Native | Flask | SQL | NoSQL | Git | Docker | Ruby | Terraform
- AWS | Cloud Computing | Machine Learning | Data Analysis | Web Development | Mobile Development
- Cloud Architecture | Frontend | Backend | Full-Stack | Italian, English

## Experiences

- Junior Software Developer Specialist** [SGR Compliance](#) **Lugano, Switzerland** *Jun. 2023 - Present*
- Design and implementation applications using disruptive technologies such as: **AWS Cloud Services (Lambda, ECS, ECR...)** **ML & AI** solutions
  - Design and develop full stack solution, web and mobile, using **Docker**, **React** and **Ruby on Rails**
  - Collaborate with stakeholders to analyze user requirements and define development objectives
  - Integrate applications using API-led and cloud-first architectural design patterns
- Internship Trainee - Master's Degree** [PhuseLab](#) **Milan, Italy** *Nov. 2022 - July 2023*
- Evaluation and selection of optimal algorithms to address the problem of **Contextual Multi-Armed Bandits** in the real-world context of audiovisual attention, with emphasis on **Thompson's sampling algorithm**
  - Implemented a machine learning model in Python using ML and data analysis libraries such as : **Pandas**, **Numpy**, **Scikit-learn**, **Pytorch**
- Freelancer Web & Mobile** **Italy** *Jul. 2022 - Feb. 2023*
- Developed a mobile application [CIUKA - Party Game](#) using **Dart** on the framework **Flutter**.
  - Created a web application [Lora Giusta](#) with over 10 thousand views in 2022 for a bed and breakfast near Como increasing I number of customers by over 70%. The Application was realized with **Javascript**, **ReactJs**, **Node**, and the css framework **Bulma**.
  - I Realized a graphically impactful web application [My Portfolio](#) to present myself and show who I am and my career in an alternative and detailed way. The web application was created with **Javascript**, **ReactJs**, and the css framework **Material UI**.
- Research Collaborator - PRIN 2017** [ISLab](#) **Milan, Italy** *Aug. 2021 - Mar. 2022*
- [Won the University of Milan competition](#) to create a [Medilett](#) web application for the MIUR PRIN 2017 project funded by the Ministry of Education, University and Research (2019-2022) with the aim of creating a PROSOPOGRAPHIC ATLAS OF MEDIEVAL ROMAN LITERATURE
  - The backend of the application was built with **Python**, with **Flask**, to define the REST API. The front end was built in **ReactJs** with the help of the css framework **Chakra UI**. Finally, **Leaflet** was used to implement the geopositioning. All information has been saved on **PostgreSQL DB**.
- Research Collaborator - VAST** [ISLab](#) **Milan, Italy** *Jun. 2021 - Nov. 2021*
- [Won the University of Milan competition](#) to create a [ISLab](#) web application for the European Project [VALUES ACROSS SPACE AND TIME \(VAST\)](#).
  - The backend of the application was built with **Python**, specifically with **Flask**, to define the REST API. The front end was built in **ReactJs** with the **CSS** and **Framer Motion**. Finally, the information about projects and team has been saved on **MongoDB**.
- Internship Trainee - Bachelor's Degree** [ISLab](#) **Milan, Italy** *Sept. 2020 - Feb. 2021*
- I built a web application in **ReactJs** capable of analyzing text documents and highlighting verbs, adjectives, pronouns, etc.. The Backend, built in **Python** with **Flask**, constituted the REST API of the application and all Natural Language Processing (**NLP**) operations. The results were stored in a **NoSQL** database using **MongoDB**

## Projects

- [Cloud Phoenix](#): the "cloud-phoenix" project builds the Phoenix Application's infrastructure using **Terraform (IaC)** on **AWS**, incorporating AWS services such as: **ECS**, **ECR**, **DocumentDB**, **CloudWatch** and **CI/CD** using **CodeCommit**, **CodeBuild** and **CodePipeline** for deployment.
- [Cloud Gaming](#): It's a project for the **Business Process Engineer** exam, it included analysis with **BPMN 2.0** and drafting an **AWS** architecture
- [BIP Challenge 2020](#): It's a project for the **Business Intelligence System** exam, it consists of analysis on real-world scenarios of data mining with **Python**, **PM4PY** and **Disco**. The challenge is taken from the 2nd international Conference of Process Mining convened by the ICPM.

## Education

- Master's Degree of Computer Science** [UniMi](#) **Milan, Italy** *Sept. 2021 - Jul. 2023*
- *Advanced Biometrics | Affective Computing | Artificial Intelligence | Biometric Systems | Business Information Systems | Business Process Engineering | Intelligent Systems for Industry, Supply Chain and Environment | Multimedia Architectures | Natural Interaction | Privacy and Data Protection | Web Algorithmic*
- Bachelor's Degree of Computer Science** [UniMi](#) **Milan, Italy** *Sept. 2016 - Feb. 2021*
- *Algorithms and Data Structures | Automata and Formal Languages | Computer Architecture I | Computer Architecture II | Computer Programming | Continuum Mathematics | Computer Networks | Cryptography I | Databases | Digital Marketing | Digital Products Law | Discrete Mathematics | Information Systems | Information & Transmission Theory | Mathematical Logic | Operating Systems | Security and Privacy | Software Engineering | Statistics and Data Analysis*

## Certifications

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|---|------------------|------------------|---|
| • <a href="#">Terraform Associate</a>                           | <i>Oct. 2023</i> | <i>Mar. 2023</i> | <a href="#">IBM Data Science Professional Certificate</a> |
| • <a href="#">AWS Certified Solutions Architect - Associate</a> | <i>Feb. 2023</i> | <i>Feb. 2023</i> | <a href="#">English language proficiency B2</a>           |
| • <a href="#">AWS Certified Developer - Associate</a>           | <i>Feb. 2023</i> |                  |   |
| • <a href="#">AWS Certified Cloud Practitioner</a>              | <i>Dec. 2022</i> |                  |   |