

Bocchino Daniele

Software Development Specialist | Cloud & Data Enthusiast

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

Skills

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

Experiences

Software Engineer

[UBS AG](#)

Switzerland

Oct. 2024 - Present

- Software Engineer - US MORTGAGE MODELS and MPM & MEASUREMENT

Software Developer Specialist

[SGR Compliance](#)

Lugano, Switzerland

Jun. 2023 - Sep. 2024

- As a project Lead, I plan, manage, and create infrastructure using **Terraform**, **AWS** services, and development for a disruptive SGR compliance project, leveraging a full stack technology suite that includes **React**, **Java**, and containerization using **Docker** and **Kubernetes**
- Design and implementation applications using disruptive technologies such as: **AWS Cloud Services** (**Lambda**, **ECS**, **ECR**, **Amplify**, **S3**, **RDS**, **DynamoDB**, **LoadBalancer**, **API Gateway**...) and **ML & AI** solutions used on mobile application such as: **Text Recognition**, **Image Detection**...
- Design and develop full stack solution, web and mobile, using **Flutter**, **React** and **Ruby on Rails**
- Collaborate with stakeholders to analyze user requirements and define development objectives
- Integrate applications using **REST 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 & VAST

[ISLab](#)

Milan, Italy

Jun. 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
- [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**, with **Flask**, to define the REST API. The front end was built in **ReactJs** with the help of the css framework **Chakra UI**. All information has been saved on **PostgreSQL DB** and **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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|---|-----------|-----------|---|
| • Microsoft - Azure Data Fundamentals | Aug. 2024 | Mar. 2023 | • IBM Data Science Professional Certificate |
| • Microsoft - Azure AI Fundamentals | Aug. 2024 | Feb. 2023 | • AWS Certified Solutions Architect - Associate |
| • Microsoft - Azure Fundamentals | Jul. 2024 | Feb. 2023 | • AWS Certified Developer - Associate |
| • Hashicorp - Terraform Associate | Oct. 2023 | Dec. 2022 | • AWS Certified Cloud Practitioner |