



Marco Luzzara

CONTACT

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WORK EXPERIENCE

01/04/2023 – CURRENT Milan, Italy

University research assistant University of Milan

- Designed and implemented an access-control based data governance solution for a Big Data pipeline managing exRNAs data. It leverages technologies such as Kafka, Trino, and Apache Ranger.
- Created demos for a Master's degree course on Cloud Computing Technologies. I explored Openstack, AWS EC2 and Lambda, Docker Swarm and Kubernetes.

01/04/2023 – 01/09/2023 Verona, Italy

Software developer Add Value S.r.l

Developed a prototype with a serverless architecture to address scalability issues encountered during batch processing with large datasets. I used AWS Lambda Functions and Step Functions for the workflow execution, and Terraform for the deployment of AWS resources. The solution was tested on the local machine using Localstack, an AWS emulation platform. Containerization technologies such as Docker were essential to speed up the development and testing process.

01/05/2016 – 31/12/2021 Mantova, Italy

Backend Developer Aliaslab S.p.a.

- Developed a platform using .NET to enable customers to digitally sign contracts. The technologies used include C#, .NET Core/Framework, Moq, MSTest, and SQLServer/Oracle for database management
- Built a solid CI/CD process using Jenkins and Docker

EDUCATION AND TRAINING

30/09/2020 – 21/02/2024 Milan, Italy

Master degree in Computer Science University of Milan

- I acquired knowledge in advanced programming techniques, distributed systems, data-driven technologies, and cloud computing

Website <https://www.unimi.it/en> | **Final grade** 110 Cum Laude | **Thesis** "Migration of a Spend Analysis Product from an On-Premise Environment to the AWS Cloud" - Advisor: Claudio Agostino Ardagna, Co-Advisor: Nicola Bena

11/09/2015 – 28/02/2019 Trento, Italy

Bachelor degree in Computer Science University of Trento

- Basics of computer science, Bash programming, C++, Java, NodeJS, Git, and Python.
- DevOps
- Some of the attended courses: - Software Engineering I and II - Networks and Advanced Networks - Operating systems - Databases - Algorithms and data structures - Web Programming

Website <https://www.unitn.it/en> | **Final grade** 107/110 | **Thesis** "CI with Jenkins, How to set up a Jenkins server for a .NET core pipeline" - Advisor: Fabio Massacci

CONFERENCES AND SEMINARS

Milan

Codemotion

- Codemotion Milan 2018
- Codemotion Milan 2019
- Codemotion Milan 2020 (Remotely)

- Codemotion Milan 2021 (Remotely)
- Codemotion Milan 2022 (Remotely)

Link <https://www.codemotion.com/>

Remotely

● DockerCON

- DockerCON 2020
- DockerCON 2021
- DockerCON 2022
- DockerCON 2023

Link <https://www.docker.com/dockercon/>

LANGUAGE SKILLS

MOTHER TONGUE(S): Italiano

Other language(s):

English

Listening B2

Spoken production B2

Reading B2

Spoken interaction B2

Writing B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HOBBIES AND INTERESTS

● Basketball

I have been playing basketball since childhood and continue to play on an amateur team.

● Stack Overflow

I actively ask and answer questions within the StackOverflow community

Link <https://stackoverflow.com/users/5587393/marco-luzzara>

● Article Writer

I authored several technical articles for [CodeMaze](#):

- How to Mock the File System for Unit Testing in .NET
- Tasks vs Threads in C#
- Understanding PLINQ in .NET