



Gianmaria Del Monte

Software Engineer



12 December 1996



Geneva - Switzerland



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gmgigi96



Gianmaria Del Monte



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Skills

HARD SKILLS

Go, C++, Python, MySQL, Git, Bash, Linux, Puppet, Container technologies (Docker), Distributed storage systems (EOS), Distributed programming, Design patterns, Design architectures

SOFT SKILLS

Problem solving, Communication skill, Positive attitude, Self-supervising, Team leadership

Languages

Italian

English

French

About me

Diligent Software Engineer with passion of designing and developing highly scalable software systems. Excellent attention to detail and problem solving, with an innate ability to learn and master new technologies. Experience in software development's life cycle, including designing, coding, testing, delivery and maintenance. Keen to use my skills to push the frontiers of science and technology.

Work experiences

2021-now

Software Engineer

CERN - Geneva, Switzerland

- Proactively support and maintain the CERNBox software ecosystem to provide a highly reliable service for more than 37K users, holding 18PB of data
- Design, implementation and deployment of a new backup system for CERNBox (24/7, 400M daily file ingest)
- Engagement with the open source community (Reva) to provide various bug-fixes and major enhancements (Lock API)
- Ensuring day-to-day operational activities are carried out in a timely and reliable way
- Supervision of a summer student to implement self-restore functionalities to address user community demand
- Coordination among other team members of successful delivery of service improvements, specially on the server side

Education

June 2022

Thematic CERN School of Computing (Security)

MEDILS - Split, Croatia

- Held on *Security of research computing infrastructures*

2019-2020

M.Sc. in Computer Engineering

Roma Tre University

- Thesis title: *Scaling blockchains without giving up decentralization and security*
- Thesis supervisor: Prof. Maurizio Pizzonia
- Final mark: 110/110 with honors

2016-2018

B.Sc. in Computer Engineering

Roma Tre University

- Thesis title: *Implementation of an efficient protocol for data integrity on Cloud*
- Thesis supervisor: Prof. Maurizio Pizzonia
- Final mark: 110/110 with honors

Awards

2019

3rd place in local competitions of CyberChallenge 2019

2018

Luca Raso scholarship for best students enrolled in Master's degree in Computer Engineering at Roma Tre University.

2016

Scholarship for best average grade in the Engineering Department of Roma Tre University.

Publications

2020

Del Monte, Gianmaria, Diego Pennino, and Maurizio Pizzonia. "Scaling Blockchains Without Giving up Decentralization and Security." *In proceeding of 3rd Workshop on Cryptocurrencies and Blockchains for Distributed Systems CryBlock (2020).*

Interests

Violin, classical music, etnical music, technology, hiking, swimming

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