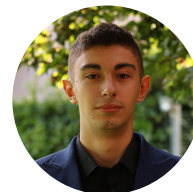# MARCO BERTOLINO

MSc Cybersecurity for Cloud | Cloud Engineer

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 github.com/bertomaa in Marco Bertolino 📍 Lansberger Straße 61, Munich, Germany

EDUCATION

MSc double degree - Cyber Security
EIT Digital Master School
📅 Sept 2021 - Aug 2023

MSc Cybersecurity for Cloud   GPA 4.0
Eurecom
📅 Sept 2022 – Aug 2023   📍 Sophia Antipolis, France

MSc Cybersecurity   GPA 3.3
University of Turku, Finland
📅 Sept 2021 – Aug 2022   📍 Turku, Finland

BSc Computer Science   GPA 4.0
Trento University
📅 Sept 2018 – Jul 2021   📍 Trento, Italy

Thesis: Hybrid Mobile Applications: Analysis and Usage of the React Native Framework

EXPERIENCE

Researcher Intern - Blockchain
Siemens
📅 Mar 2023 – Aug 2023   📍 Munich, Germany

- Led and implemented the first version of a data trading blockchain system using Canton, under my supervisor's guidance.
- Managed all system components using Azure and Terraform.
- Crafted the smart contracts for the data trading platform using DAML.

Software Engineer intern
Edugo.ai
📅 Nov 2020 – Apr 2021   📍 Remote - Shangai, China

- Used React.js to enhance the student learning web platform's user experience and interface.
- Developed the core infrastructure of a mobile app using React Native, projected to reach over 50,000 users shortly after its launch.
- Adopted Agile and Scrum methodologies for effective project management and collaboration.

Full Stack Developer
Freelance - Idem SRL
📅 April 2019 - June 2020   📍 Vicenza, Italy

- Independently architected and developed an iOS and Android mobile application using Flutter and Firebase for a renowned sandwich company. This application enhanced customer experience with features such as exclusive discounts, special offers, and friend referral capabilities.
- The application successfully garnered 2.5k customers within just three months of its launch, validating its efficacy and user appeal.
- Available on both App Store and Play Store.

CERTIFICATIONS

Microsoft Azure Fundamentals (AZ-900)
Microsoft
📅 2023

Comprehensive understanding of Microsoft Azure cloud services and fundamental knowledge of cloud computing concepts, including security, privacy, compliance, and pricing.

Cisco Certified Network Associate (CCNA) Routing and Switching
Cisco
📅 2018

Proficiency in installing, configuring, operating, and troubleshooting medium-size routed and switched networks.

TECHNICAL SKILLS

Git   Github   Github Actions

Azure   IaC(Terraform)
Azure serverless functions   Cosmos DB
Event HUB   Cypress

VMs   Containers(Docker)

WireShark   NMAP   BurpSuite

JavaScript   Python   C++   React.js
React Native   node.js   Flutter

LANGUAGES

Italian   Native
English   Proficient

PROJECTS

[In Progress] Cloud Resume Challenge
github.com/CRC-bertoma/CRC

- Developed a scalable visitor counter for personal website marcobertolino.dev using Azure serverless functions and Cosmos DB, demonstrating practical application of cloud services and distributed database management.
- Leveraged Terraform for infrastructure setup, promoting Infrastructure as Code (IaC) practices, and orchestrated deployment through GitHub Actions CI/CD pipelines, ensuring streamlined and reliable updates.
- Ensured product quality by implementing end-to-end testing using Cypress.

Eurobook
github.com/bertomaa/Clouds-EURECOM-2022

- A social networking platform for EURECOM, focused on implementing a fault-tolerant backend system.
- Leveraged C++ and gRPC to achieve a scalable dynamic key-value storage system.

Char frequency Analyzer in C
github.com/bertomaa/C-CharFrequencyAnalyzer

In the "Operating Systems" course at the University of Trento, I developed a multiprocess program in C to analyze character frequencies within text files. The architecture of the system is designed to manage multiple processes concurrently, with specific processes for counting, analyzing subsets of data, and handling specific sections of input files.