FRANCESCO RE

(+39)3457183917 · Varese, ITALY

francesco.re1107@gmail.com · github.com/francesco-re-1107 · https://francescore.dev

EXPERIENCE

Backend Software Engineer   Aug 2024 - Present

MF Group AG - Switzerland

- Developed core software for the leading **Buy Now Pay Later** platform in Switzerland, processing more than **500,000 transactions/month** with a total volume exceeding **100 million CHF/month**
- Produced highly tested, robust and resilient Java code that adheres to financial constraints with peaks of millions of requests per day
- Modernized legacy systems for scalability, performance, and reduced complexity
- Applied clean code, TDD, design patterns, and agile practices across development and operations

AI Consultant/Developer   Mar 2024 - Present

WatchFit startup

- Led comprehensive analysis to understand project requirements
- Developed mobile application for data acquisition phase in **Kotlin**
- Developed training pipeline for deep learning models in **TensorFlow**

Freelance Android developer   Jan 2019 - Jun 2023

Google Play

- Published apps on Google Play with over **700,000 downloads**, including Mi Band Maps and Huawei Band Maps

EDUCATION

Master in Artificial Intelligence Engineering Politecnico di Milano   Mar 2023 - *Present*

- Machine Learning, Deep Learning, Robotics, Embedded AI

Bachelor in Computer Engineering, Politecnico di Milano (*GPA 5.5/6*)   Sep 2019 - Mar 2023

- Algorithms, Data Structures, Statistics, Linear Algebra, Calculus

PROJECTS

NightOwl. Deep learning project for sleepwalking camera detection, built with **PyTorch**

HostPingBot. Servers monitoring Telegram bot (100+ users), built using **Python** and **PostgreSQL**

prana_rc. Open-source project on reverse engineering the communication of a Bluetooth device

Smart Tennis Racket. Neural network-powered tennis racket for shot type recognition, built with **TensorFlow**

Eriantys. Board game translated into a videogame, consisting of a client-server application developed in **Java** with multiple frontends (CLI, GUI with **JavaFX**)

SKILLS

Programming Languages	Java, Python, Kotlin, JavaScript, C,
Databases	MySQL, Redis, Solr
Software Engineering	Object-Oriented Programming, Design Patterns, TDD, Agile Practices
Languages	Italian (Native), English (C1 TOEIC)