

DAVIDE FALCONE

Software Engineer - Scala

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EXPERIENCE

Software Engineer @ Moneyfarm - MFM Investment Ltd

📅 July 2022 - Current

📍 Milan

- Develop and maintain resilient microservices using Scala, Akka, and RabbitMQ, optimizing system performance.
- Collaborate with team members to estimate workloads, plan strategically, and implement new software tools and features.
- Troubleshoot and resolve both short-term and long-term production issues, ensuring optimal system functionality and uptime.
- Actively participate in the design and implementation of robust public APIs, enhancing system integration capabilities.
- Design and development of an event-driven fee charging system using Apache Kafka, optimizing financial transactions.

Java Developer @ ExtraRed S.r.l.

📅 Feb 2020 - July 2022

📍 Pontedera

- Managed team task assignments, pull requests, code reviews, and cross-team API definitions.
- Developed a tool with Apache Velocity and CI/CD pipelines to generate code and automate part of my daily tasks
- Modernization of a famous insurance-related old legacy system to AWS, using the framework OpenLegacy and Springboot
- Developed projects with Camel routes and deployed them in Docker containers, using also MongoDB and PostgreSQL, with unit tests

Cataloguer and R&D Operator @ Baldacci S.r.l.

📅 Mar 2017 - June 2019

📍 Ponsacco

- Created the main catalogue consisting of 900 pages using Adobe InDesign and Adobe Photoshop and 3D models to be printed as prototypes

EDUCATION

B.Sc. in Computer Engineering

📅 Sept 2015 - July 2019

📍 Università di Pisa

Coursework : Software Development, Software Engineering, Web Development, Data Structures and Algorithms, Database Design, Computer Architecture, Real Analysis, Linear Algebra, Mechanics, Electromagnetism, Digital Electronics

Machine Learning Thesis : Classification of the functional states of a tissue industry production line through log data

Supervisor : Mario G.C.A. Cimino

High School Diploma in Economics

📅 Sept 2010 - July 2015

📍 I.T.C.G. E. Fermi

Economics sector, administration, finance and marketing specialisation, business Information Systems focus

Final score : 100/100

SKILLS

Programming Languages

Java Kotlin Dart Scala C
C++ C# SQL

Technologies

Springboot Akka Apache Kafka
Hibernate RabbitMQ Postgres
MySQL Flutter Camel Android
AWS Firebase Red Hat Fuse
Docker Junit Maven Git
OpenLegacy

OS Other

Linux MacOS Windows
Office Suite Adobe InDesign
Adobe Photoshop Creo Parametric

Languages

Italian (native speaker) English (fluent)

MAIN PROJECTS

Barber Lab

Android and iOS Application.

Custom app made in Flutter for a barber shop and its clients to manage appointments.

Published on the Google Play Store and iOS app store on December 2021

HIIT Timer Pro

Android Application.

HIIT timer for workouts rich of functionalities such as background timer, custom workouts and saved workouts.

Open-source and published on the Google Play Store on December 2020

Shou Dao School

Android application for a Martial Art School. Developed on Android Studio with Kotlin. Published on the Google Play Store on October 2019.