# 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.

m Feb 2020 - July 2022

Pontedera

- Managed team task assignments, pull requests, code reviews, and crossteam 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 issurance-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

math Sept 2010 - July 2015

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

Final score: 100/100

### **SKILLS**

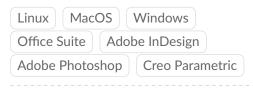
#### **Programming Languages**



### **Technologies**

Springboot	Akka	Apache Kafka
Hibernate	Rabbit	tMQ Postgres
MySQL	lutter	Camel Androic
AWS Firebase		Red Hat Fuse
Docker Ju	unit	Maven Git
OpenLegacy		
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### OS Other



#### 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.