FLAVIA FERRANTI

COMPUTER SCIENCE ENGINEER

Senior Software engineer with 4 years of backend experience specialized in Java and Spring microservices.

Looking forward to give my contribution to the growth of the society

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📍 Rome, Italy

in LinkedIn

⌗ GitHub

🌐 Portfolio

✤ TECHNICAL SKILLS

Programming languages: Java, Kotlin, Python

Programming tool: Spring Boot, Apache Maven, Apache Kafka, Swagger, Apache Camel

Methodologies and tool: Agile, Scrum, Jira, Trello

DevOps tool: Docker, Kubernetes, Openshift, Helm, Jenkins, GitLab, SonarQube

Data storage: MongoDB, PostgreSQL, Redis, MariaDB

Other: Azure Cloud, Kibana, RESTful API, SOAP, JSON, Microservices, Postman, Linux, OpenTelemetry, GenAI

⛷ WORK EXPERIENCE

- ### Senior software engineer at Sytel Reply Roma   01/2024 – Present

Design and develop solution to handle client's e-commerce system reducing payment problems and bank transfer by 87%. Exploiting Apache Kafka and MongoDB, to handle single asynchronous transaction per user, integrated into Java 21 SpringBoot microservices deployed on cloud.

Created a tool that automatically corrects website accessibility issues exploiting Gen AI API integrated into a script JavaScript that analyse the structure of the website to identify problematic areas and call the API to create an 100% accessible resource

Encouraged the implementation of the upgraded Openshift v.4 and realized the technical plan to refactor and clean code of old software in order to be compatible with the new requirements, eliminating deprecated Helm and java dependency CVE and securing extra cluster requests through token system

- ### Team leader at Sytel Reply Roma   06/2022 – Present

Analysis of client's request, estimating feasibility, workload and costs. Consequent distribution of the tasks to the 5 to 10 team members and support for the junior resources to meet the final deadline. Gradual increase in responsibility of the juniors to allow their growth and business knowledge for a more efficient team.

Supported clients throughout the lifecycle of the software, starting from the analysis to the develop phase and the production deployment

- ### Junior software engineer at Sytel Reply Roma   11/2021 – 06/2022

Develop of maintainable and scalable SpringBoot microservices, based on RESTful API, deployed in Openshift containers through Jenkins pipeline.

Upgrade of software technologies introducing Helm and latest version of Java, creating extended documentation

🎓 EDUCATION

- ### Master's degree, Engineering in Computer Science at Sapienza, Univerisity of Rome   2021

110 cum laude

Thesis: Learning to look real. Reinforcement learning for a credible rendering.

- ### Bachelor's degree, Engineering in Computer Science at Sapienza, Univerisity of Rome   2019

Thesis: Travel Diary: the social network of all cultures

- ### High School diploma in Foreign Languages   2016

🎓 CERTIFICATES

- ### Cambridge English Level C1, Advanced Certificate   2023
- ### Winner of Mathematics Olympics   2010