Michelini **Filippo**

SOFTWARE ENGINEER

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Employment History

Engineering/Q8
Florence (remote),Italy

CLOUD MIGRATION SPECIALIST
April 2024 - Present

- Spearheaded the migration of a legacy monolithic application to AWS, implementing a **microservices architecture** using **Spring Java Framework** and deploying on Amazon ECS. Enhanced scalability and improved reliability metrics using **AWS services** like S3, Lambda, SQS, SNS, and Cognito.
- Successfully transitioned from an Oracle SQL database to **PostgreSQL**, utilizing AuroraDB for optimized performance.
- Engaged in effective two-way collaboration with the Infrastructure as a Code (**IaC**) team member to find suitable solutions and monitor costs
- Collaborated with frontend specialists to transform legacy JSP pages into a modern **Angular** application.
- Developed and maintained RESTful services using Spring Boot, ensuring secure data exchange in JSON format with different security layer using SSL, Oauth, OpenId and bearer token

Accenture
Turin (remote),Italy

FULL STACK BACKEND DEVELOPER
May 2023 - March 2024

- Developed an efficient **Perl script** for CSV data processing, streamlining workflows.
- Established a **self-hosted Git** repository for the development team and an SVN server for technical writers, improving version control and collaboration between 10+ stakeholders.
- Managed a Windows Server environment with **SQL Server** for backend operations.
- Created a **Java applet to process XML** data from an S3 bucket, facilitating seamless transfers via SFTP to a remote server.

Accenture
Turin (remote),Italy

SOFTWARE ENGINEER - TEAM LEADER
May 2022 - May 2023

- I led and organized the successful integration of a business partner in our system. **I guided and supervised a team of 4 junior engineers** in building the solution from the ground up and made sure all the technical requirements were respected. This added a potential of 100k EV charge points for our clients and tens of apps used by thousands of users to connect to our network. Winning new clients and consolidating present contracst by expanding their economic reach.
- I became the **Owner of different repositories** in the microservice architecture of the project, **while actively contributing to the codebase I perform code reviews to ensure the highest standards are met.**
- I Implemented Plug&Charge functionalities as described by the ISO15118 standard effectively developing hardware-firmware communication protocols to our CMS. I **worked in close contact with the UX/UI lead** in order to design the simplified charging experience of the Electric Vehicle driver.
- used Java 11, UML, MongoDB, Redis, OpenAPI, SQS, REST calls, Asynchronous calls, Spring, Kubernetes, Docker, AWS CLI

Accenture
Turin (remote),Italy

JAVA DEVELOPER
June 2021 - May 2023

- Development from a backend perspective in the field of electric charging for Electric-Vehicles, from the communication protocol between 260.000 electric turrets (Charge Points) and electric cars users to the development of Web Portal and Mobile APP with adjoining Management Systems to manage sessions, reservations and rates.
- The activities carried out in the **Java Spring** environment with **Agile Scrum methodology** are aimed at creating new **microservices infrastructure** with attached **documentation** for internal use and the end customer. Focus given also to codebase maintenance (E.G internal rework, increases in code coverage (**Junit 5**), data migration and database population on **mongo db**. Cloud deployment integration and portability issues are solved in constant loop with the **AWS** team in order to ensure CI.
- Developed and maintained RESTful services using Spring Boot, ensuring efficient data exchange in JSON format
- Study, implementation and update of OCPP 1.6, OCPP2.01, OCPI2.1.1, OICP2.3, OSCP 2.0 protocols as defined by the OCA foundation and related stakeholders

Betacom srl
Rome,Italy

JUNIOR FULL STACK INTERN
February 2021 - June 2021

- The focus of the development activity was to present the various phases of the software life cycle and create enterprise web projects based on monolithic architectures and microservices by deploying on application servers and web containers such as JBoss, Wildfly and Tomcat.
- Within the integration of the components, a complete overview of the key **Design Patterns** for the management of these architectures (MVC, Adapter, Business delegate, Singleton, Factory, DAO, Façade and Prototype) was also presented.
- The path initially covered the development on the BE side. On the FE side, various techniques have also been used for communication with the middleware side, such as the consumption of services through HTTP verbs.
- Particular importance was also given to database development(Oracle,SQLite
- GIT was used for sharing and versioning of team projects.
- On the deployment side, orchestration tools were used such as: OpenShift and Kubernetes. Container virtualization was built through Docker in order to create scalable enterprise applications.

Skills

DevOps	AWS, Docker, Kubernetes
Back-end	Spring, Hibernate, REST API
Front-end	Hugo, React, Angular, HTML5, CSS,SASS
Programming	**Java SE/EE, MongoDB, UML, Python**, (Go, Perl,PL/SQL, C++, Racket(lisp), JavaScript/Typescript, C)
Working Philosophy	CI/CD, scrum/Agile, Clean Code
Hobbies	Arduino prototyping, 3d printing and jewel casting

Open-Source Contributions

hsbxl/big-led-display	contributed to core scrolling logic(2024) (**C/C++**)
google/data-transfer-project	raised test coverage(2023) (**Java**)
commaAI/comma10K	minor help on Computer Vision segnets training for autonomous driving(2020)(**Python**)

Languages

Italian	Native Speaker
English	Highly proficient (C1)
French	Highly proficient (C1)
Spanish	Highly proficient (C1)
German	Working knowledge (A2)

Education

Continuous Interest ∞

- LFC108: Cybersecurity Essentials | The Linux Foundation | 15/12/2025
- LFD103: A Beginner's Guide to Linux Kernel Development | The Linux Foundation | 01/10/2025

KdG University of Applied Sciences and Arts
ERASMUS+ (CREATIVE TECHNOLOGIES AND ENTREPRENEURSHIP)

Antwerp,Belgium
September 2019 - January 2020

Istituto Pantheon Design and technology
BACHELOR DEGREE (EQF6) IN PROGETTAZIONE MULTIMEDIALE (MEDIA DESIGN & DEVELOPMENT)

Rome,Italy
September 2017 - January 2021

Esa Bac - Méntion bien
MINISTÈRE DE L'ÉDUCATION NATIONALE ET DE LA JEUNESSE / MINISTERO DELL'ISTRUZIONE, UNIVERSITÀ E RICERCA

2015