

EMPLOYMENT

Software Engineer II

Qualtrics

24/03/2025 - Current

Worked as a full stack developer on several products:

- Developed a REST microservice for migrating product data between AWS Regions, with great effort in testing and achieving 100% code coverage (*Typescript; NestJS; AWS; Jest; SonarQube*)
- Fixed high-severity bugs on a frontend application within a short timeframe, avoiding customer dissatisfaction (*Typescript; ReactJS*)
- Improved *Slack* bot application for automating data migration workflows, resulting in a more reliable product (*Java; Spring Boot; MongoDB; JUnit5*)

Consultant

Capgemini

16/01/2023 - 17/03/2025

Led the development of a REST API:

- Developed endpoints for managing files in *Azure Blob Storage* (*Python; FastAPI; Azure*)
- Migrated the project to *Azure Functions* and *Azure API Management*, improving costs, scalability and availability (*Azure*)
- Coordinated the work of junior developers

Worked on a microservice system compliant to the TMF API standard:

- Developed and maintained modules, with attention to testing and code coverage, resulting in a more reliable back-end (*Python; FastAPI; PyTest; SonarQube*)
- Integrated the system with AWS solutions, which allowed to enhance performances and security of the product (*AWS; Docker; Kubernetes; Helm; Kafka*)
- Implemented *Infrastructure as Code* solutions in CI/CD pipelines, which eased the provisioning and management of resources (*AWS; GitLab CI/CD; Terraform*)
- Support on the analysis and implementation of the AWS infrastructure for the project, for compliance to security standards and cost optimization (*AWS*)

Solution Developer

Engineering Ingegneria Informatica S.p.A.

11/01/2021 - 11/01/2023

Developed REST services and libraries for a complex microservice system:

- Created a multi-language log and metric library, which allowed microservices to write logs to *Elasticsearch* and metrics to *InfluxDB*, improving monitoring (*Java; logback; C#; nlog; Fluentbit; Elasticsearch; InfluxDB*)
- Developed a sidecar application to ease *Kafka* events management for microservices (*Kafka; Java; Quarkus*)
- Worked on a report service for calculating serverless resources usage data (*Java; Spring Boot; AWS; InfluxDB; Elasticsearch*)
- Developed and maintained REST microservices, using multiple frameworks and AWS solutions, with attention to testing and code coverage, which contributed to the growth of the project (*Java; Spring Boot; C#; ASP.NET; SQL; AWS; Docker; Kubernetes; JUnit5; SonarQube*)

EDUCATION

Bachelor's Degree in

Computer Science

Università degli Studi di Salerno

26/09/2016 - 17/12/2020

Final Grade: 106/110

LANGUAGES AND TECHNOLOGIES

- Python; FastAPI; PyTest; Java; Spring Boot; Quarkus; JUnit5; Javascript; Typescript; NestJS; Jest; React; SQL; C/C++
- AWS; Azure; Terraform; Linux; Bash; Docker; Kubernetes; Helm; Apache Kafka
- Pandas; NumPy; Matplotlib; Jupyter Notebook; PyTorch; CrewAI; LangGraph
- Git; Agile tools; GitLab CI/CD; Jenkins; Cursor; Microsoft Visual Studio Code; IntelliJ IDEA

ADDITIONAL PROJECTS

- **GDSC7** (2024): data science team challenge to develop an AI-powered assistant for kids reading education. Placed 6th out of 405 teams (*Python; CrewAI; AWS Bedrock*)
- **GDSC6** (2023): data science team challenge to improve an AST classification ML model. Placed 41th out of 421 teams (*Python; PyTorch; AWS SageMaker*)

NON TECHNICAL SKILLS

- Problem solving
- Propensity for listening and learning
- Proactivity in making proposals
- Good organization skills
- Good leadership skills
- Ability to achieve goals in difficult situations

AWARDS

- [AWS Certified Machine Learning - Specialty](#) (2024)
- [AWS Certified Solutions Architect - Associate](#) (2023)
- [AWS Certified Developer - Associate](#) (2022)