

Filippo Spinella

🔗 Spinny03 | 🌐 filippo-spinella | ✉️ fili.spin2003@gmail.com | ☎️ +39 351 980 5291

EXPERIENCE

Wikicasa.it Back-end developer, Part-Time	2023 - Present Genoa (Hybrid), Italy
<ul style="list-style-type: none">Improved the speed of reading agency data from MySQL to ElasticSearch by -83%Implemented a new microservice for managing geospatial polygons, going from ~160ms to ~13msMigrated queries from MongoDB to ElasticSearchPioneered the company's first Kubernetes cluster on bare-metal servers, managing the entire CI/CD pipeline with Bitbucket and ArgoCD.Created a microservice in Go and gRPC for converting images into different formats and sizes, handling over 25TB of data and 270 million images. Optimized storage on GCS Bucket, with a 40% cost reduction.Resolved major cache inefficiencies that slowed down application startup. Implemented a cache serialization system, reducing startup time by 45 seconds.	
Ikinova Full Stack developer, Part-Time	2022 - 2023 Acqui Terme (Remote), Italy
<ul style="list-style-type: none">Restructured the backend from PHP to TypeScript (NodeJS), clustering it with PM2 for improved performance and scalability.Built a CI/CD environment from scratch using Mocha.js and GitHub Actions.Created a daemon that auto-synchronises patient data from an API of the Piemonte regionCollaborated on developing front-end components using Ionic and Angular.	

EDUCATION

University of Genoa Masters of Science in Computer Science	2025 - 2027
University of Genoa Bachelors of Science in Computer Science	2022 - 2025
CyberChallenge National project for CyberSecurity training	2023 - 2023

PROJECTS

University ChatBot Google x IANUA	2024
<ul style="list-style-type: none">As part of a 4-person team, developed a chatbot using Next.js and Python to assist university students. The chatbot leverages Gemini for Retrieval-Augmented Generation (RAG) from the university's website.	
Management Orders PLC company	2023
<ul style="list-style-type: none">Led the development of an order management application for a PLC company, serving as both Project Manager and Back-end Developer.	

ACHIEVEMENTS

Participant - Samsung IC	The Samsung Innovation Campus is a specialization course in the IOT and innovation field.	2023
Student - IANUA	IANUA offers a special study plan to the most brilliant students at the University of Genoa (top 10th percentile).	2022
Mentee - LeadTheFuture	Among the few Italian students selected to be mentees for LeadTheFuture, a leading mentorship non-profit organization for students in STEM, with acceptance rate below 20%.	2022
Finalist - Kangourou	Kangourou is a nationwide math and programming competition for the best students in Italy	2022