Daniele **Ambrosino**

Senior Software Engineer

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"The fool admires complexity, the wise admires simplicity"

Work experience

Amore & Vasaturo
Digital agency
Jan. 2022 - Present
Remote

Senior Software Engineer
- Mentored and supported junior developers
- Designed, developed and optimized fully customized e-shops
- Deployed and administered infrastructures on several providers (AWS, Hetzner, Contabo)
- Improved existing architectures, query performance, Core Web Vitals scores and UI, leading to drastic improvements in SEO scores and conversion rates (from few hundreds to more than 10,000 monthly active users)
- Achieved ~500x faster data synchronization tasks (from ~40 minutes to ~5 seconds) by re-architecting and optimizing I/O workloads, query performance and indexing strategies
- Designed and developed a configurable, real-time, highly performant price calculation subsystem that empowered customers to easily enforce sophisticated pricing policies

Tipso
Startup, co-founded
Sep. 2020 - Jan. 2022
Firenze, IT

Chief Technology Officer
- Led the development team
- Designed the architecture of the system
- Designed, deployed and administered the computing infrastructure
- Designed, developed and tested the backend application
Unfortunately we were forced to close, but it has been an incredibly instructive and challenging experience!

Bidoo
Auction company
May 2020 - Nov. 2020
Remote

Full Stack Developer
- Contributed to design and develop an advanced e-commerce platform
- Managed and optimized the main auction platform

Freelance
2016 - Present

Software Engineer
Conceived, designed and developed more than 20 (and counting) applications and tools, kickstarting startups and supporting local businesses and organizations, resulting in improved productivity and better performance, UX and SEO.

Volunteering

Rotaract
Rotary partner
Jun. 2017 - Present

- Since 2017 I have been an active member of the Rotaract Club Firenze Nord
- Since 2018 I have been responsible for the **IT management** of the Club
- In 2019 I was selected for the **Rotary Youth Leadership Awards program**
- In 2020 I was elected **president** of the Club
- In 2021 I served as the **head of IT and communication committee** of District 2071 (Tuscany), of which I am still a member today
Thanks to these experiences I had the opportunity to manage, coordinate and motivate many work groups, which allowed me to greatly hone my **leadership** and **teamwork** skills.

About me

I'm a passionate, curious, fast-learner software engineer specialized in **backend** development, with a focus on **databases**, **architectures** and **security**.

I love producing **high quality code** and **performant**, **scalable** and **secure** applications.

My goal is to constantly improve through **continuous learning**, making my skills (both technical and social) available to **solve people's problems**, one app at a time.

Skills

Languages PHP TypeScript Go Python Kotlin Java C/C++
Frameworks Symfony Laravel FastAPI Flask Echo Spring Boot Express Svelte Firebase PocketBase
Testing PHPUnit JUnit Mockk Vitest
DBMS MySQL SQLite PostgreSQL IBM DB2 MongoDB MS SQL Server
Messaging Redis RabbitMQ Apache Kafka
DevOps Linux (advanced) AWS Docker CI/CD GitHub actions
Data Science/ML Apache Spark scikit-learn TensorFlow Keras Mask R-CNN Microsoft Azure
Soft skills Communication Leadership Teamwork
Languages Italian (native) English (C1)

Honours and awards

Winner of MasterTech 2019
National **hackathon** sponsored by Microsoft and Amazon. The winning project was a **ML-based application** for live video analysis.

CyberChallenge.IT national finalist
The main **cybersecurity** training program in Italy.

Paul Harris Fellow
Rotary International's **highest honour**, awarded for my contribution to technology initiatives during the COVID-19 pandemic.

Education

Master's Degree
Computer Science and Engineering
POLITECNICO DI MILANO
2021 - Present

Bachelor's Degree
Computer Engineering
UNIVERSITÀ DEGLI STUDI DI FIRENZE
2016 - 2020