

Paolo Grisoli

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SUMMARY

Passionate self taught software engineer, committed to lifetime learning. Working experience on distributed systems, image processing, blockchain. Interested into low-level system programming, HPC, bitcoin.

WORK EXPERIENCE

Lead Software Engineer @ Majelan X Oct 2023 - present

Backend Team (Core API and AI). AI enhanced audio platform. Building microservices and integrating AI services. Driving design decisions, writing extensive documentation, mentoring. Golang, Temporal, Docker, MySQL, Redis.

Lead Software Engineer @ Dectar Apr 2023 - Oct 2023

Backend Team Leader. Building from scratch the new version of the cybersecurity platform. Shaping the architecture to meet business requirements. Mentoring junior devs. Golang, Docker, PostgreSQL, Redis, Zig.

Software Engineer @ Polygon Oct 2022 - Apr 2023

Member of the [zkEVM-node](#) team. Development of the node core logic, integrating ZK Proofs, Ethereum L1 interaction. Focusing on concurrency patterns. Golang, Docker, PostgreSQL, C++.

Software Engineer @ Keen Eye Sept 2019 - Sept 2022

Backend team member of the AI-based biomedical image analysis platform. Server-side development (Golang) and image processing (C++, Zig). Main accomplishment: concurrent image ingestion and processing pipeline. Golang, Kubernetes, MongoDB, Redis, C++, Zig.

Software Engineer @ 4ward Sept 2017 - Sept 2019

Development of distributed server-side web applications and APIs. Main project: Microservices application for a Fintech company. Main challenges: asynchronous messaging, credit card payment processing. C#, Golang, Python, MongoDB, PostgreSQL, Redis, RabbitMQ, Elasticsearch.

PERSONAL PROJECTS

zigcoin <https://codeberg.org/kind84/zigcoin>

Bitcoin client and CLI tool written in Zig. Work in progress.

ZigIO <https://github.com/kind84/zig-io>

Converter for translating image files into a cloud friendly format. Port in Zig of an existing C++ project.

gospiga <https://github.com/kind84/gospiga>

Backend for an Italian Cuisine application. Using Go, Redis, DGraph

EDUCATION

2003 - 2007	Bachelor's Degree in Economics at Università Cattolica del Sacro Cuore	(100/110)
2022	Science and Maths High School at Liceo Scientifico A.Volta	(95/100)

SKILLS

Languages (0:5 scale) Golang (5), Zig (4), C/C++ (2), Python (2), Rust (1).

Platforms and tools Linux, Docker/Kubernetes, AWS, Databases (Redis, MongoDB, PostgreSQL).

Soft Skills Meticulous and persevering, collaborative and friendly.