

Mattia Righetti

Software Engineer - Hacker - Technical Writer

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Skills

Languages: Rust, Go, Java, Python, C/C++, Swift, Bash, GraphQL, Typescript

Frameworks: React, SwiftUI, UIKit, AppKit, Actix, Axum, NodeJS, Deno

Developer Tools: AWS, GCP, Docker

Open Source

The Tor Project

Core Developer | May 2023 - Present

- Currently serving as the main maintainer of the Network Status APIs. Continuously improving the web service to replace the existing onionoo protocol, providing stakeholders with an efficient and secure means to access real-time data on the status of the Tor network and its individual nodes.
- Implemented the Network Status APIs using the actix_web framework in Rust.

Experience

Anthropos

Backend Engineer | May 2023 - Present | Lugano, Switzerland

- Implemented REST APIs for different Anthropos services, later migrated most of the user-facing APIs to GraphQL and internal microservices APIs to RPC.
- Improved and worked on Anthropos microservices that were responsible for job simulations orchestrated with AI, implemented GraphQL servers for each microservice and bridged their features with the pre-existing RPC APIs.
- Setup Apollo Router using graph federation, established a standardized way to version and deploy supergraph when microservices changed their GraphQL schema.
- Redesigned and enhanced form data parsing and autofill capabilities of the Anthropos Chrome Extension using React. Improved user experience and made it easier for customers to efficiently manage and automate job applications.

Amazon

Software Development Engineer | June 2022 - Nov 2022 | Luxembourg, Luxembourg

- Developed and optimized new backend APIs that automated most of the interactions that other teams had with our service, making it faster, more efficient and available 24/7.
- Designed and developed a SSR web application in Go to showcase our team's APIs.
- Deployed and maintained OSRM service to support team services that needed to scale.
- Data pipelines management and data manipulation with Apache Airflow, AWS Glue and AWS ECR. Improved parallelisms of ETL processes.

Politecnico di Milano

Fullstack Engineer | Jun 2018 - Sep 2021 | Milan, Italy

- Designed and maintained database to support department required features.
- Developed web application that made interaction with the database more intuitive and quick for all the students of the department.
- Developed backend REST APIs used by the web application to interact with the database.
- VPS administration and maintenance including domain registration and networking setup.

Education

- MSc Computer Science
- BSc Computer Science