

Mattia Righetti

SOFTWARE ENGINEER

Milan, Italy

☎ +39 3475589093 | ✉ mattiarighetti@outlook.com | 🏠 mattrighetti.com | 🌐 mattrighetti | in mattia-righetti

Software Engineer who undertakes complex assignments, meets tight deadlines and delivers superior performance. Possesses practical knowledge in distributed systems, frontend/backend development, system development, data structures and algorithms. Applies software engineering knowledge to design and build new tools and complex systems from scratch. Operates with a strong sense of ownership and thrives in a fast-paced setting. **Fluent in English. Core competencies include:**

Backend development · Distributed system development · Database administration · Cloud Infra deployment and maintenance · REST APIs design and development · Unix system administration and maintenance · CI/CD Pipeline Deployment and maintenance

PROFESSIONAL EXPERIENCE

Amazon

Luxembourg

SOFTWARE DEV ENGINEER INTERN

June 2022 - December 2022

- 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 web application to showcase our team's APIs and services which made the onboarding process for stakeholders incredibly smooth and valuable.
- Deployed and maintained OSRM service to support team services that needed to scale and had internal API limitations.
- Data pipelines management and data manipulation with Apache Airflow, AWS Glue and AWS ECR. Improved parallelisms of data transformation pipelines.
- Setup multiple pipeline to manage CI/CD of team services with the use of AWS CDK and AWS CloudFormation

Politecnico di Milano

Milan, Italy

FULLSTACK ENGINEER

June 2018 - September 2021

- 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

Bachelor of Science in Computer Science

Milano, Italy

POLITECNICO DI MILANO

Master of Science in Computer Science

Milano, Italy

POLITECNICO DI MILANO

Expected graduation: 2023

TECHNICAL SKILLS

PL	Rust, Go, Python, C, Java, Javascript, Typescript, Bash, Swift, Protobuf
Database	MySQL, Postgres, PostGIS, SQLite, DynamoDB, Aurora
Other	Docker, NGINX, Redis, AWS EC2, AWS S3, AWS Glue, AWS CloudFormation, AWS ECR, AWS Fargate, AWS Lambda

PROJECTS

Ulry

HTTPS://ULRY.APP

Fast and lightweight read-it-later and link archiver application for iOS. **Hundreds of monthly active users on average.**

webex-dl & teams-dl

Multi-process command line utility to download webex/teams recorded videos hosted on the *Politecnico di Milano* server. **Used by hundreds of students daily.**

Library Genesis Bot

Bot to interface with Library Genesis directly from Telegram chats, **currently used by thousands of users monthly.**