

MATTIA DE FILIPPO

Zagreb, Croatia

www.defilippomattia.com ♦ defilippomattia@gmail.com

EXPERIENCE

Cloud Integration Engineer / Software Engineer

Jan 2021 - present

DataMir d.o.o

- Created Docker-based database containers preloaded with realistic data which resulted in quicker testing and reduced challenges associated with shared databases.
- Implemented a process for potential customers to try and evaluate company products. The solution is based on AWS, Packer and Django that launches customized virtual machines, allowing users to effortlessly test their desired products.
- Incorporated Infrastructure as Code principles with Terraform to manage simple networking infrastructure on AWS.
- Implemented features as a member of the product development team specializing in the database management field. Using Python, developed solutions for migrating large amounts of data across different database vendors. Additionally, contributed to a product focused on shrinking database size.

EDUCATION

Master of Computer Science, FER - University of Zagreb

2021 - 2023

Thesis: An alerting system based on fall detection of elderly people

Bachelor of Computer Science, FER - University of Zagreb

2016 - 2021

Thesis: Web-Application for the Visualization of a Contextually Enriched Automotive Data Set

TECHNICAL SKILLS

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|------------------------|------------------------|
| Programming languages | Python, Go |
| Databases | PostgreSQL, MongoDB |
| Infrastructure as Code | Packer, Terraform |
| Containerization | Docker |
| Web Technologies | REST API, nginx, Redis |
| Cloud | AWS, Azure |
| Collaboration | git, redmine |

PROJECTS

fakeiotapi.xyz Fake IoT data REST API created with Go, React, PostgreSQL and Nginx. Deployed as Docker containers running on AWS infrastructure provisioned with Terraform. Integration tests and automatic deployment managed by GitHub Actions.

defilippomattia.com Personal website built with static site generator (Hugo), incorporated CI/CD with GitHub Actions.

OTHER SKILLS AND INTERESTS

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|--------------|--|
| Languages | Croatian (native), English (fluent), Italian (fluent) |
| Interests | football, basketball, photography, graphic design |
| Volunteering | Students Association - eSTUDENT (Human Resources team) |
| Courses | Heureka - School of public speaking |