

**Mislav Vuletić**

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in/MasterMedo

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## RELEVANT WORK EXPERIENCE

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### Lead Growth Engineer at Memgraph Ltd.

Mar 2021 — Present

- developed streaming graph applications at a biweekly cadence, by leading product development, resulting in 4–7% growth in key product indicators week-over-week
- built a distributed music playlist recommendation engine, by using Memgraph, AWS, Kafka, Flask, Redis, Vue and Docker to showcase the power of PageRank and community detection algorithms
- analysed the largest cryptocurrency social network, by building a parallelised website crawler and visualising a graph of 1 million nodes, helping investors make smarter decisions
- set up company-wide analytics, by creating a number of scripts to gather prospective client data for multi-touch attribution, enabling the company to track users across products
- published internal products on official package repositories, by creating and packaging Docker images and PyPI packages, resulting in wider product adoption and superior ease-of-use
- **tech stack:** Memgraph, Kafka, Redis, Python, Docker, AWS, Cloudflare, Flask, Node.js, React, Vue, Rust, Go

### Freelance Software Engineer and Programming Instructor

Feb 2019 — Mar 2021

- developed multiple RESTful APIs with C# .NET Core, Java Spring and Python Flask frameworks
- wrote unit, integration and end-to-end CI/CD tests with GitHub, newman, C# and SQL stored procedures, eliminating manual testing and deployment
- taught algorithms and data structures, helping clients stay motivated and accomplish their goals

### Lead Software Engineer at Addiko Bank d.d.

Feb 2019 — Sept 2019

- created a unified API system to query data warehouses from multiple banks, by designing and developing an object relational mapper, increasing loan approval calculation precision by 5%
- mentored a team of two analyst-turned-software-engineers, by teaching them system design and software engineering principles, helping them accomplish their goals and transition successfully
- **tech stack:** C# .NET Core, SQL, Swagger

## EDUCATION

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### Master's degree, Computer Science

Sept 2015 — July 2020

University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia

Poznań University of Technology, Faculty of Computing, Poland (Student Exchange)

## RELEVANT PERSONAL PROJECTS

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featured on  GitHub

### Workout repetition counter

Aug 2021 — present

- designed and built an application for counting exercise repetitions using computer vision
- formed and lead a team of software engineers, computer vision researchers, a data analyst and a personal trainer to create a minimum viable product in 48 hours
- **tech stack:** Tensorflow, OpenCV, Python, pandas, React Native

## TECHNICAL SKILLS

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- bilingual English, limited working German language skills
- proficient Python knowledge, acquired over 10 years of daily development
- practical Linux experience, gathered by using Arch Linux as the primary operating system for 6 years
- advanced experience with relational and graph databases, gathered through building object mappers and query builders with SQL and Cypher
- product release experience, acquired through publishing and maintaining Docker Hub images, PyPI packages, and a Google Marketplace add-on