

Mislav Vuletić

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in/MasterMedo

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## WORK EXPERIENCE

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### Software Engineer at Memgraph Ltd.

Mar 2021 — Present

- Created an Object Graph Mapper (OGM) python library, enabling schema validation, using multiple databases and testability of Graph Databases
- Developed streaming graph applications at a biweekly cadence, by leading product development, resulting in 4–7% growth in key product indicators week-over-week
- Consolidated all website sub-domains to sub-directories, by utilizing the power of Cloudflare workers, leading to higher search engine rankings and improved control over the website content
- 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

### Software Engineer, Tutor (Independent)

Feb 2019 — Mar 2021

- Developed a proof of concept tennis club website with Java Spring and React
- Wrote unit, integration and end-to-end CI/CD tests with GitHub, newman, C# and SQL stored procedures
- Taught Python, C# .NET Core, and algorithms to 3 engineering students

### 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 (OpenApi)

## EDUCATION

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### Master's degree, Computer Science

Sept 2018 — July 2020

University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia  
Poznań University of Technology, Faculty of Computing, Poland (Student Exchange)

### Bachelor's degree, Computer Science

Sept 2015 — July 2018

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

## RELEVANT PERSONAL PROJECTS

featured on  GitHub

### Ticket-tracker

Dec 2020 — present

- designed and developed a **bug tracker** using *flask-sqlalchemy-react* stack
- implemented JWT authentication, url queries, data management
- tags: *flask, sqlalchemy, react, marshmallow, unittest, jwt, restx, migrate, typescript, hooks, openAPI*

## COMPETITIONS

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- Advent of Code — reached **top 100** several times
- Memgraph Hackathon 2021 — **1st**, best graph algorithm
- Google HashCode 2020 — **1st** in cluster, top 3 in Croatia
- Croz CodeQuest 2017 — **3rd** and 7th place