



## Summary

5 years of experience mainly with backend related technologies.

Also interested in DevOps and data science solutions as well.

Eager to continuously learn while working on challenging projects within a team.

## Contact

- Budapest, Hungary
- [zoltan.umlauf@gmail.com](mailto:zoltan.umlauf@gmail.com)
- [/in/zoltan-umlauf](https://in.zoltan-umlauf)
- [/uzoltan](https://github.com/uzoltan)

## Languages

**English:** professional working proficiency

**Hungarian:** native proficiency

## Interests

- Table tennis
- Reading
- Board games
- Hiking
- Logic puzzles
- Software craftsmanship

## Work Experience

### Senior Software Engineer

@ [Turbine AI](#)

09/2021 - Present

- Designed and developed new features in Turbine's human cell simulation platform, making the jobs of biologists more efficient.
- Constructed machine learning problems to train deep learning models. Evaluated these models on various success criteria.
- Learned many exciting technologies (e.g. version-controlled database, CI/CD pipeline tools) and an interesting problem domain about how to model a human cell.
- Significantly improved the quality of existing production code.
- Performed a wide range of data engineering tasks.

Python, Poetry, Pandas, Azure Cloud, AzureML, Databricks, Airflow, Terraform, Dolt, MongoDB

### Senior Software Developer

@ [Grape Solutions](#)

03/2019 - 08/2021

- Developed [Mobiliti](#), the largest provider of electric vehicle charging and other e-mobility services in Hungary.
- Discussed software architecture decisions with the team.
- Proposed ways to improve the development workflow.
- Documented important domain knowledge, promoted knowledge sharing and gathering practices.
- Planned and executed the integration with 4 Charge Point Operators.
- Learned the basics of DevOps with Docker and Kubernetes.

Java 11, Kotlin, Spring Boot 2, Reactive Streams, Liquibase, JUnit5, Mockito, Wiremock, Gradle, Docker, Google Cloud Platform (PubSub, Firestore), MySQL, MongoDB, Python

## Education

### MSc in Electrical Engineering

@ [Budapest University of Technology and Economics](#)

02/2016 - 01/2018

- Thesis: Data processing methods and solutions in IoT based Cyber-Physical Systems

See my full resume at [uzoltan.github.io](https://uzoltan.github.io).