

## Work Experience



## 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.linkedin.com/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

### 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.
- Significantly improved the quality of existing production code.
- Performed a wide range of data engineering tasks.

Python, Pandas, Azure Cloud, AzureML, Databricks, Airflow, GitHub Actions, 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.
- Improved the development workflow, which reduced the complexity of our releases and increased productivity.
- Planned and executed the integration with 4 partners.
- Learned the basics of DevOps with Docker and Kubernetes.

Java 11, Kotlin, Spring Boot 2, Reactive Streams, Liquibase, JUnit5, Mockito, Gradle, Docker, Google Cloud Platform, MySQL, MongoDB

### Software Developer

@ [AITIA International](#)

06/2017 - 02/2019

- Participated in a European research and innovation project with 108 partners from over 19 countries. Contributed to the design and development of a framework for the project over the span of 3 years. Familiarized new partners with the framework and reviewed code written by them.

Java 8, JAX-RS, Spring Boot 2, Hibernate, Maven, RabbitMQ, R

## Education



### MSc in Electrical Engineering

@ Budapest University of Technology and Economics

02/2016 - 01/2018

### BSc in Electrical Engineering

@ Budapest University of Technology and Economics

09/2012 - 01/2016