



# Zoltán Umlauf

## Senior Software Engineer

### Work Experience



#### Senior Software Engineer

@ [UBS](#) (employed by [EPAM](#))

Zürich, 02/2023 - Present

- Contributed to a suite of services responsible for sourcing Swiss client data for a complex Anti-Money Laundering (AML) model.
- Built GitLab CI/CD pipelines from scratch, enhancing deployment efficiency and establishing a robust workflow for our team.
- Advocated for the importance of fast feedback loops and engineers owning their code in production, even in a regulated industry.
- Fostered good relationships with developers from the upstream team, ensuring satisfactory coordination between our teams.

Java 17, Spring Boot, Maven, Python, Azure Cloud, Databricks, Gitlab CI/CD, Kubernetes, Helm, Elasticsearch, PostgreSQL

#### Senior Software Engineer

@ [Turbine AI](#)

Budapest, 09/2021 - 01/2023

- 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.
- Explored various technologies, such as version-controlled databases, while gaining insights into human cell modeling and the drug discovery process.
- Significantly improved the quality of existing production code.
- Performed a wide range of data engineering tasks.

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

#### Senior Software Developer

@ [Grape Solutions](#)

Budapest, 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.
- 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.

### Summary

7 years of experience in backend, DevOps, and data engineering technologies.

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

Highly values a culture built on empathy, feedback and knowledge sharing.

### Contact

+41-78-226-9371  
 Zürich, Switzerland  
 [zoltan.umlauf@gmail.com](mailto:zoltan.umlauf@gmail.com)  
 [/in/zoltan-umlauf](https://in.zoltan-umlauf)

### Languages


**English:** full professional proficiency

**German:** elementary proficiency

**Hungarian:** native proficiency

### Interests

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


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

## Software Developer

@ AITIA International

Budapest, 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.
- Analysed large amounts of CAN bus data from a German forklift manufacturing company. Communicated with the company representatives to gain domain knowledge. Created classical machine learning models to help reduce forklift maintenance costs.

 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

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

### BSc in Electrical Engineering

@ Budapest University of  
Technology and Economics

09/2012 - 01/2016

- Thesis: Messaging system aided by speech recognition on Android