Zoltán Umlauf

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
- /in/zoltan-umlauf
- /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, CICD 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, GitHub Actions

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.