

Akos Imets

SOFTWARE ENGINEER · CLOUD & SECURITY

Zurich, Switzerland

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Work Experience

Microsoft

Zurich, Switzerland

SECURITY SOLUTION ENGINEER INTERN

2026.02 - 2026.08

- Built a code-to-cloud DevSecOps demo integrating **GitHub Advanced Security** with **Microsoft Defender for Cloud** across containers and VMs, surfacing vulnerabilities from commit to runtime.
- Presented the demo to regional security teams and customers, leading **7 engineers and sellers** to adopt it and directly supporting **6 customer engagements**.
- Earned **5 Microsoft certifications** (SC-900, AZ-900, AI-900, DP-900, GH-900) in 6 months.

Swisscom

Zurich, Switzerland

DEVOPS ENGINEER INTERN

2025.02 - 2026.02

- Configured **Opsgenie** alerting and dashboards across **15+ services**, establishing a unified real-time incident view for on-call engineers.
- Scaled an internal tool (**Python, Go, React**) to **20,000+ employees**; redesigned storage to render on demand rather than storing in S3, cutting storage per code by **99%**.
- Delivered a cloud-native service to production leveraging **Kubernetes, Helm, GitLab CI**, and **ArgoCD**.

Valeo Siemens eAutomotive

Budapest, Hungary

FULL STACK SOFTWARE ENGINEER INTERN

2023.04 - 2024.01

- Developed a **Python (Django)** and **SQL** inventory backend tracking 100+ assets, automating expiration alerts to eliminate duplicate purchases.
- Implemented a **React** drag-and-drop tree view for hardware inventory, replacing a 4-step manual workflow with a single action.

Education

University of Zurich

Zurich, Switzerland

MSC IN INFORMATICS – MAJOR: SOFTWARE SYSTEMS, MINOR: DATA SCIENCE

2026

- Coursework: Fundamentals of Software Systems, Network Science, Systems for Data Science.

Polytechnic University of Catalonia

Barcelona, Spain

EXCHANGE SEMESTER (ERASMUS+), MSC DATA SCIENCE PROGRAM

2024

- Coursework: Machine Learning, Data Visualization.

Budapest University of Technology and Economics

Budapest, Hungary

BSC IN COMPUTER SCIENCE ENGINEERING – SPECIALIZATION: SOFTWARE ENGINEERING

2024

- Diploma grade: 4.48/5.0. Bachelor's thesis graded Excellent (5/5): "Web-Based Inventory Management Application: UX Implementation"
- Coursework graded Excellent: IT Security, Operating Systems, Cloud-Based Software Development, Software Engineering.

Projects

Visual Form Builder for Government Data-Collection Forms

MASTER'S THESIS – INDIVIDUAL PROJECT WITH AN INDUSTRY PARTNER

2026

- Built a drag-and-drop form builder (**Angular/TypeScript, Python**) replacing Excel-based specification of the multilingual online forms Swiss authorities use to collect legally binding submissions.
- Integrated with an existing **Java** toolchain to generate templates and validators, reducing feedback latency to a **10-second live preview** instead of post-deployment.
- Containerized and deployed via **Docker, GitLab CI/CD**, and **Kubernetes**, implementing bidirectional Excel import/export for backward compatibility.

Synthetic Data Generation of Modern Network Protocol Traffic

MASTER PROJECT

2025

- Designed and implemented a synthetic traffic framework using **GANs** and **Diffusion Models**, trained on transport protocol data featuring **connection migration** and **0-RTT**.
- Benchmarked synthetic data quality using **statistical similarity metrics** and **downstream ML utility**.

Hobbies

Road cycling

Rode 1,000+ km in 2025. Now building a bike on a direct from factory Chinese carbon frame, hoping it survives the next 1,000.

Alpine Skiing

Catching first chair on the mountain and carving until my legs don't work anymore.