

Alexander Hiermann

Software Development Engineer · Network Automation · Vienna, Austria

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Experience

Feb 2025 – present

Software Development Engineer

NTS Netzwerk Telekom Service AG · Vienna

Building the software that operates networks — the seam between network engineering and software development.

- Network automation with Nautobot and Python — source of truth, jobs, and the integrations around them.
- Turning manual operator steps into services that run unattended and report when they fail.
- Part-time, alongside the computer science degree at TU Wien.

Mar 2024 – Aug 2024

Conscript

Österreichisches Bundesheer · Lower Austria

Mandatory military service.

Aug 2023 – Jan 2024

Service Engineer

NTS Netzwerk Telekom Service AG · Vienna

Design and implementation of customer networks.

- Scripting and API development around network operations.

Jul 2022 – Aug 2022

Backend Developer (internship)

ÖBB · Vienna

Second internship at Austrian Federal Railways, this time backend only.

Aug 2021 – Sept 2021

Full Stack Developer (internship)

ÖBB · Vienna

First contact with development inside a large organisation — including its tooling and release stages.

- Java programs for folder monitoring and handling.
- Groovy and Scala programs for XML validation.
- Day-based rotating logging.
- Team work across development stages, with Git, Bitbucket and Jira.

Aug 2020 – Sept 2020

Summer internship

Stadtgemeinde Fischamend · Fischamend

Internship at the municipal administration of Fischamend.

Education

Oct 2024 – Jun 2027

BSc Computer and Information Sciences

TU Wien · Vienna

Bachelor of Science, studied alongside working.

Sept 2018 – Jul 2023

Information Technology (Matura)

HTL Rennweg · Vienna

Five years of information technology with a two-year specialisation in network engineering.

- Diploma thesis: Elbrus Analytics — network traffic analysis and component metrics.
- Certifications alongside school: MikroTik MTCNA and Microsoft Azure Fundamentals (AZ-900).
- First student representative of the IT department, and of the academy.

Sept 2014 – Jul 2018

Lower secondary school

BG/BRG Schwechat · Schwechat
General education.

Certifications

Feb 2023

Microsoft Certified: Azure Fundamentals (AZ-900) · Microsoft

May 2022

MikroTik Certified Network Associate (MTCNA) · MikroTik

Skills

Networking

Nautobot · Routing & Switching · SNMP · Network automation · MikroTik
· Packet analysis

Languages

Python · Java · TypeScript · Bash

Platforms

Linux · Docker · Azure · Git & GitOps