Alwin Schuster

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EXPERIENCE

Infineon Technologies — **Klagenfurt, Austria**

Senior Engineer Container Platform & Automation Lead, Hybrid Infineon Cloud Platform — *Nov 2025 – Present*

- Lead end-to-end automation and developer tooling for the Hybrid Infineon Cloud Platform, a multi-cluster Kubernetes/ OpenShift platform used by internal teams from Germany to Malaysia
- Cut project and quota provisioning time from hours to seconds by re-architecting it as a real-time, event-driven workflow
- Reduced page load times by over 85% by replacing a legacy monolithic management UI with FastAPI and React
- Built an MCP server for querying and troubleshooting live clusters via AI assistants; ran AI/MCP workshops for engineers
- Automated Kubernetes node provisioning, cluster upgrades, resource approvals and cross-site dependency audits

Senior Engineer Container Platform & Agile People Manager — *Apr 2024 – Nov 2025*

- Trained 1,000+ Infineon engineers in two years through interactive Cloud and OpenShift workshops, on-site and remote
- Re-architected OpenShift project provisioning and GitOps pipelines (ArgoCD ApplicationSets, CRDs across 6+ operators, real-time database triggers), removing legacy bottlenecks and manual enablement work
- Migrated complex Django applications with zero production impact; built CI/CD pipelines and automation in Python
- Agile People Manager (Kanban), team of ~8: ran stand-ups, retrospectives and ideation sessions; upskilled the new AI team

Specialist Infineon Cloud Platforms & Scrum Master — *Sep 2022 – Apr 2024*

- Managed the rollout of an EDR security solution to 1,000+ servers (OpenShift, public cloud, Windows, Unix), coordinating 37 stakeholders and 4 data center teams; delivered on time, meeting all security and performance goals

OBJENTIS Software Integration — **Vienna, Austria**

Machine Learning Project Lead — *Oct 2020 – Aug 2022*

- Led teams of 4–5 students over two years building an AI-based OCR system (CRAFT text detection, CRNN/BiLSTM recognition, 89% validation accuracy); won 1st place at the Austrian Federal AI Competition 2022
- Built a synthetic data generator producing 1M augmented training images in 30 minutes; served the models via TensorFlow Serving microservices on a GPU cluster

neeyo (formerly DocuMatrix) — **Austria**

Machine Learning Research Intern — *Jul 2021*

- Led the company's first two ML projects: GAN-based synthetic XML data generation and neural-network quality assurance for documents; presented both at the company's 2021 user conference

EnliteAI GmbH — **Vienna, Austria**

Machine Learning Intern — *Jul 2020, Aug 2019*

- Developed reinforcement learning agents in a team of 9 for an international RL competition at NeurIPS 2020 and ran their training on a Kubernetes cluster; earlier, controlled a robotic arm with RL

EDUCATION

University of Klagenfurt — **Klagenfurt, Austria**

B.S. in Business Informatics (part-time, alongside full-time work) — *Expected 2027*

HTL Spengergasse — **Vienna, Austria**

Higher Technical College Diploma in Computer Science — *2022*

- GPA 1.0, the highest possible grade in every subject; Austrian engineering title Ing. (2026)

SKILLS

Languages: Python, TypeScript, JavaScript, Go, Java, C#, SQL
Cloud & Infrastructure: Kubernetes, OpenShift, ArgoCD, GitOps, CI/CD, Docker, Linux, Git
Frameworks & Databases: FastAPI, SQLAlchemy, Celery, Django, Flask, React, PostgreSQL, MySQL, MongoDB, Redis
AI/ML: LLMs, Model Context Protocol (MCP), PyTorch, TensorFlow, Reinforcement Learning, Computer Vision
Certification: Red Hat Certified Specialist in OpenShift Administration (EX280), 88% score

TALKS, AWARDS & OPEN SOURCE

- **Speaker, Red Hat user conference 2026**: Consistent OpenShift configuration across multi-cluster environments
- **Main-stage talk, Austrian CIO Conference 2021**: Presented the OCR system to hundreds of CIOs and CEOs
- **Open source**: Merged pull requests to the Red Hat OpenShift Console, starlette-admin, FastScheduler and ActivityWatch
- **Awards**: 1st Place, Austrian Federal AI Competition 2022; 2nd Place, Accenture HTL Hackathon 2021