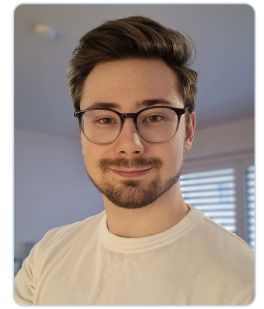


# Andreas Schlößl

Full-Stack & Platform Engineer

[schloessl.andreas@gmail.com](mailto:schloessl.andreas@gmail.com) · [schloessl.dev](https://schloessl.dev) · [linkedin.com/in/andreas-schloessl](https://linkedin.com/in/andreas-schloessl) · [github.com/aydreas](https://github.com/aydreas)

Vienna, Austria · German (native) · English (full professional)



## Profile

Software engineer with 6+ years spanning full-stack web development, DevOps, and systems administration. Track record of leading CI/CD initiatives, architecting resilient on-prem and cloud infrastructure, and delivering production web applications across TypeScript, Java, Python, and modern frontend ecosystems. Increasingly works at the intersection of these systems and LLM-driven features – designing custom agents, MCP servers, and retrieval-augmented pipelines that connect internal data and APIs to language models in production. Creator and maintainer of Logigator – an open-source digital-logic simulator featured in *c't* magazine and adopted by German informatics schoolbooks.

## Experience

### Independent IT Consultant & Developer · *Self-Employed*

Oct 2025 – Present

- Deliver freelance software development and IT consulting around modern web applications, infrastructure automation, and DevOps tooling.
- Growing focus on AI-assisted product features: designing custom agent architectures, building MCP servers that expose client systems and APIs to LLMs

### Full-Stack Engineer → DevOps Technical Lead · *Bitberry GmbH*

Sep 2021 – Oct 2025

- Delivered end-to-end production web applications across TypeScript, Java, and Python stacks, partnering with clients and product teams from architecture through rollout.
- Architect and senior engineer on *Redberry*, a federated GraphQL CMS framework that powers multiple branded SaaS products from a single codebase – contributed to service decomposition, the content-type codegen pipeline and the multi-tenant deployment model.
- Led refactoring initiatives that raised code quality through stronger type-safety, linting, and expanded test coverage.
- *Promoted to DevOps Technical Lead (Apr 2023)*: designed and maintained CI/CD pipelines (GitHub Actions) across multiple product teams, and architected development and production infrastructure on Docker, Kubernetes, Azure, and Proxmox – enforcing automated quality gates and standardising deployment workflows across the engineering organisation.

### Software Engineer · *Corestad GmbH*

Jun 2021 – Aug 2021

- Contributed to externally commissioned web application projects – feature development, bug-fixing, and code review – alongside operational support for client server infrastructure.

### IT Administrator · *NAVAX Consulting GmbH*

Aug 2018 – Dec 2020

- Administered hybrid Windows, Linux, and Microsoft 365 environments, maintaining uptime and security for internal users.
- Developed internal tooling in C# / .NET and Java Spring that streamlined server management and reduced manual operational overhead for the IT team.

## Selected Projects

### Logigator · [logigator.com](https://logigator.com) · [github.com/logigator/logigator](https://github.com/logigator/logigator)

- Open-source browser-based designer and simulator for digital logic circuits, combining a WebGL editor with a high-performance C++ simulation engine and hierarchical circuit blocks.
- Featured in *c't* magazine (issue 15/2024) and adopted by German secondary-school informatics textbooks as a teaching tool.
- *Stack*: TypeScript, Angular, Node.js, C/C++, MySQL, Redis, Docker & Kubernetes, GitHub Actions.

### Redberry · Federated GraphQL CMS framework (proprietary, Bitberry)

- Drove the architecture of a multi-tenant headless CMS that powers several production SaaS products from a single codebase: eleven NestJS microservices behind an Apollo Federation v2 supergraph, a Vue 3 / Nuxt 3 admin panel, and CASL-based row-level access control applied uniformly across every service.
- Designed a content-type compiler that turns declarative type definitions into a fully type-safe stack – Mongoose schemas, GraphQL resolvers, DTOs, and RabbitMQ message handlers – eliminating boilerplate and keeping the federated schema in lockstep across services.
- *Stack*: TypeScript, NestJS, Apollo Federation, Vue 3 / Nuxt 3, MongoDB, RabbitMQ, Redis, Elasticsearch, Docker, GitHub Actions.

## Self-Hosted Homelab · Production-grade private infrastructure

- Operate a 2-node high-availability Proxmox cluster (QDevice quorum, replication, automated failover) with 400+ TB ZFS/LVM storage, 3-2-1 encrypted offsite backups, VLAN-segmented OPNsense networking, and Kubernetes clusters serving private and public workloads – fully provisioned with Ansible, cloud-init, and Grafana/InfluxDB monitoring.

## Education

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**B.Sc. Computer Science** · *TU Wien – Vienna University of Technology*

2021 – 2025

**Matura, Information Technology** · *HTL Rennweg*

2015 – 2020

## Technical Skills

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<b>Languages</b>	TypeScript, JavaScript, Python, Java, C/C++, C#, PHP, Bash
<b>Frontend</b>	Angular, Vue.js / Nuxt, React / Next.js, React Native, Svelte
<b>Backend &amp; APIs</b>	Node.js, NestJS, Java Spring, .NET / ASP.NET, GraphQL
<b>DevOps &amp; Cloud</b>	Docker, Kubernetes, Azure, GitHub Actions, Ansible, Proxmox, Prometheus / Grafana
<b>Data &amp; Systems</b>	PostgreSQL, MySQL, MongoDB, Redis, InfluxDB, Linux, ZFS, OPNsense, Active Directory