Philipp Hahn

Linux System Engineer

Enterprise Linux / Automation / Troubleshooting & Security

Regensburg

ONLINE CV
pp1l.de/cv/en

01 PROFILE

Linux System Engineer with experience operating enterprise infrastructure and leading an IT team. My focus is Linux, automation with Ansible, Bash and Python, and troubleshooting complex systems. In personal projects, I develop applications and integrate locally hosted AI models. I want to build on my Linux and automation experience by moving further into operating AI applications.

02 TECHNICAL FOCUS

LINUX & SECURITY
SLES, RHEL, Rocky Linux, Debian; hardening, vulnerability and patch management

AUTOMATION & SCRIPTING
Ansible, Bash, Python, PowerShell; Git and Bitbucket

STORAGE & VIRTUALISATION
NVMe/TCP, iSCSI, multipathing, NetApp; VMware vCenter and hypervisor clusters

CLOUD & SYSTEM MANAGEMENT
Azure, Microsoft 365, Intune; SUSE Manager and Red Hat Satellite

03 PROFESSIONAL EXPERIENCE

Linux System Engineer
01/2025 - present
Manage Now GmbH | Munich

- Operate and improve SLES, RHEL, Rocky Linux and Debian environments; administer Azure services and VMware vCenter.
- Investigate complex system, storage and network incidents down to kernel level; document Linux/NetApp connectivity, including multipathing, authentication and failure scenarios.
- Develop Ansible automation for the migration from iSCSI multipathing to NVMe/TCP; automate hardening, configuration and security tasks with Bash and Ansible.
- Manage patching and address vulnerabilities with SUSE Manager and Red Hat Satellite.
- Independently develop automation scripts and version them with Git/Bitbucket; coordinate implementation with infrastructure, networking, monitoring, backup and development teams.

IT Specialist
07/2022 - 01/2025
Fujitsu Services GmbH | Nuremberg

- Operated Red Hat, SUSE and Windows systems running SAP, Apache and Tomcat; administered and optimised Oracle, MySQL and Microsoft SQL Server databases.
- Administered Azure and container environments; managed backups with Commvault.
- Monitored systems with BMC Patrol, TrueSight, Prometheus and Grafana; handled incidents with BMC Remedy and Jarvis.

IT Team Lead
06/2021 - 06/2022
12Logistics | Regensburg

- Led the IT team and IT projects; migrated and administered Microsoft 365, Azure and Intune.
- Introduced a ticketing system and backup strategy; improved Linux, Windows, virtualisation, container and database infrastructure. Automated tasks with Bash/PowerShell and procured hardware.

03 PROFESSIONAL EXPERIENCE / CONTINUED

IT Systems Administrator
11/2020 - 06/2021
12Logistics | Regensburg

- Built hypervisor clusters, Linux/Windows servers and networks; administered Active Directory and Group Policy. Supported CRM, document management, ERP and Microsoft SQL Server systems.

Working Student, IT
08/2017 - 03/2020
Continental | Regensburg

- Developed software for sensor applications, image processing and analysis; supported Power BI, SharePoint and Teams. Contributed to e-learning, database maintenance and IT support.

IT Intern
08/2016 - 03/2017
Continental | Regensburg

- Developed an application for database maintenance; maintained database/SAP data and provided IT and office software support.

04 PERSONAL PROJECTS

AI Reader with local speech synthesis
Markdown reader built with React/TypeScript, Node/Express and Python. Local speech synthesis with Qwen3-TTS and PyTorch/CUDA; sentence preloading, WAV caching and audio controls. Online voice as a fallback.

Language model training
A personal learning project using freely available training data to explore the training process through to initial text generation.

Mahjong Garten
Offline-capable Mahjong Solitaire for web and mobile, built with TypeScript, Vite and Capacitor. Custom game logic with solvable layouts, progression, a customisable garden and local saves.

RotPunktArena for shooting sports
Windows application for DISAG RedDot: Bluetooth shot capture, training and competition management, statistics, and printing results and certificates. React, TypeScript, Tauri, Rust and SQLite with backup.

Personal Kubernetes lab
Run a k3s environment with game servers and Nextcloud, and occasional hosting of my own website.

AI tools: Codex, Cursor, Claude, OpenClaw and Hermes for research, ideation, refinement and implementation in personal projects.

05 CERTIFICATIONS

SUSE Certified Administrator in SUSE Linux Enterprise Server 15 (SCA) 04/2026

Microsoft Certified: Azure Fundamentals (AZ-900) 10/2023

06 EDUCATION & TRAINING

Studies in Medical Informatics | OTH Regensburg 10/2017 - 04/2020

Studies in Computer Engineering | OTH Regensburg 2015 - 2017

University of Applied Sciences Entrance Qualification 09/2014 - 07/2015
Berufliche Oberschule Regensburg

Apprenticeship as a Machining Technician 09/2011 - 07/2014
Rodinger-Kunststoff-Technik GmbH | Roding

Final chamber examination: **very good, 93 points**. Recognition from the Government of Upper Palatinate for outstanding vocational school results.

07 LANGUAGES

English: very good | **Japanese:** basic knowledge