

# Nima Majidi

EMBEDDED DEVOPS ENGINEER

Germering, Germany · [nimadevops.de](https://nimadevops.de) · [github.com/NimaMajidi1997](https://github.com/NimaMajidi1997) · [linkedin.com/in/nimamajidi](https://linkedin.com/in/nimamajidi)



## PROFILE

Embedded DevOps Engineer with an M.Sc. in Communications & Multimedia Engineering. I specialize in infrastructure and endpoint automation, CI/CD, containerization, and secure remote-access solutions. Expert in Python and PowerShell, with hands-on experience building modular CLI tooling, GitOps workflows, network services, and infrastructure APIs across distributed systems.

## EXPERIENCE

- |                     |  |           |
|---------------------|--|-----------|
| Mar 2025 – Present  | <h3>Embedded DevOps Engineer</h3> <p>PiNTeam · Garching</p> <ul style="list-style-type: none"><li>■ Optimized GitLab CI/CD pipelines — Docker Bake, JUnit XML test reporting, and merge-request templates — cutting build ramp-up time.</li><li>■ Established GitLab governance across multiple teams — golden merge-request and repository rules, automated mandatory-reviewer assignment, and a Premium-vs-Free cost-optimization analysis — and authored the supporting guidelines.</li><li>■ Designed and shipped modular, pip- and .exe-distributable Python CLI tooling (PyInstaller, Nuitka, pip-tools, uv) published to an internal Nexus, maintaining supported Python versions via dependency analysis.</li><li>■ Built and scaled DHCP infrastructure with Kea DHCP containers, BIND9, and KEA DDNS over bonded VLANs, including static IP reservations and per-VLAN scaling.</li><li>■ Deployed a Dockerized RDP Gateway (rdpgw) integrated with Microsoft Entra ID (OIDC) for MFA-secured remote access.</li><li>■ Configured NGINX (HTTP-to-HTTPS redirection, routing) and self-hosted noVNC with WebSocket access restricted to setup owners.</li><li>■ Owned Windows endpoint provisioning end-to-end — PowerShell automation, package installation, Windows/WSL integration, Microsoft Intune management, and unattended installation with Autopilot enrollment (Unattend.xml).</li><li>■ Extended internal infrastructure libraries and APIs (browser namespace, vm_switch_setup endpoint, SPICE/proxy configuration, VM IP/hostname mapping) and added Selenium-based authentication across Chrome, Edge, and Firefox.</li><li>■ Built a status page and admin dashboard to monitor and control hardware setups (including remote power control), and authored the company-wide AI usage policy.</li></ul> | FULL-TIME |
| Oct 2023 – Feb 2025 | <h3>DevOps &amp; Administration</h3> <p>Siemens Healthineers · Forchheim</p> <ul style="list-style-type: none"><li>■ Installed CUDA, CMake, Conan and related tooling via Dockerfile for Windows containers.</li><li>■ Set up Microsoft Azure Pipelines agents with container support.</li><li>■ Automated provisioning with Ansible as Infrastructure as Code (IaC).</li><li>■ PowerShell scripting for task automation and system administration.</li><li>■ Virtualization with Proxmox VE — provisioning and maintaining VMs and servers.</li></ul>   | PART-TIME |
| Apr 2023 – Sep 2023 | <h3>Intern</h3> <p>Stabilo International GmbH · Heroldsberg</p> <ul style="list-style-type: none"><li>■ Built CI/CD pipelines for Android (Gradle) and iOS (Xcodebuild) projects.</li><li>■ Developed Docker containers and automated artifact deployment with CI/CD.</li><li>■ Developed and maintained Python and Bash scripts.</li></ul>  | FULL-TIME |

Fraunhofer IIS – Low Delay Audio Coding · Erlangen

- Maintained build & deployment processes with CI/CD pipelines for Bluetooth encoders.
- Web automation and testing with CI/CD; web scraping with Selenium.
- Developed web-based hearing tests with PHP and JavaScript (frontend & backend).
- Designed a SQL-backed search website that reduced Fraunhofer delivery lookup times.
- Built Python and HTML tooling for hearing tests on AWS.

2021 – 2024

**Academic Roles**

PART-TIME

FAU Erlangen-Nürnberg – Dept. of Electrical Engineering · Erlangen

- Tutor – Introduction to Software Engineering (Nov 2023 – Feb 2024).
- Research Assistant – Speech Enhancement & Noise Suppression (Apr 2021 – Feb 2022).
- Student Lab Assistant – Statistical Signal Processing (Oct 2021 – Feb 2022).
- Tutor – Preparatory Course “Programming with Python” (Oct 2021 & Oct 2022).

2017 – 2020

**Teaching Assistant & Instructor**

PART-TIME

Ferdowsi University of Mashhad · Iran

- Instructor – Deep Learning, IEEE FUM Student Branch (Oct – Dec 2020).
- Teaching Assistant (Sep 2017 – Mar 2019):
  - Electric Circuits, Engineering Mathematics, Technical English.
  - Developed assignments and course projects; graded exams and supported students.

## EDUCATION

Nov 2020 – Oct 2024

**M.Sc. Communications and Multimedia Engineering**

GRADE 2.3

Friedrich-Alexander-Universität Erlangen-Nürnberg

*Master's thesis at Fraunhofer IIS (Low Delay Audio Coding): “Optimization of transient coding in mixed lossless/lossy coding schemes” – thesis grade 1.7.*

Sep 2015 – Jan 2020

**B.Sc. Electrical Engineering**

GRADE 1.9

Ferdowsi University of Mashhad

## SKILLS

Python	EXPERT
Docker & Containers (Windows/Linux)	EXPERIENCED
CI/CD Pipelines	EXPERIENCED
Azure · GitLab · GitHub	EXPERIENCED
C++ · PHP · Bash · PowerShell	ADVANCED
HTML · CSS · JavaScript	ADVANCED
Linux Environment	INTERMEDIATE
Container Orchestration	INTERMEDIATE

## LANGUAGES

Persian	NATIVE
English	C1
German	B1 · B2 IN PROGRESS

## CERTIFICATES

- Docker Mastery: with Kubernetes + Swarm – Udemy
- Getting Started with Ansible: Automation Made Easy – Udemy
- PowerShell from Beginner to Sheller and Scriptor – Udemy

## OTHER

Driver's license – Class B

Germering, May 2026

**Nima Majidi**