Software Engineer | Consultant | Open Source Contributor

📍 Based in Germany | Open to Remote & Hybrid

🌐 nntin.xyz | 📧 nguyen.ngoctindaniel@gmail.com

🔗 GitHub: @NNTin

PROFESSIONAL SUMMARY

Full-stack software engineer with experience in backend, frontend, DevOps, and test automation. I work as a consultant in industries such as automotive, manufacturing, and industrial automation. Over the years, I've contributed to open-source projects, maintained large Discord communities, and built real-time communication systems.

I thrive in agile environments, collaborate across disciplines, and enjoy creating robust solutions that scale. Currently, I'm focused on backend development, CI/CD, and testing — and I'm open to exploring AI-related opportunities.

WORK EXPERIENCE

Software Engineer – ITQ GmbH

April 2019 – Present · Germany (Hybrid & Remote)

As a consultant and full-stack developer, I've worked on diverse projects within enterprise and research environments.

Key Contributions:

- Built systems now running in **production at enterprise scale**
- Designed **CI/CD pipelines** that support multi-team collaboration
- Enabled **traceable QA workflows** through end-to-end test infrastructure
- Collaborated with architects and conducted **code reviews**
- Developed on **real hardware**, seeing my work deployed in production
- Started as an on-site developer; transitioned to hybrid and remote models post-COVID

EDUCATION

Bachelor of Science in Electrical Engineering

OTH Amberg-Weiden, Germany

October 2011 – March 2016 (Grade: 2.3)

- Thesis: Developed a Windows Forms GUI to design electrical wire layout plans with wire load simulation based on parameters such as wire radius, length, load, and voltage.

Master of Science in Electrical Engineering - Electronics - Information Technology (incomplete)

FAU Erlangen-Nürnberg, Germany

April 2016 – April 2019

- Research assistant at FAU
- Working student at Siemens Mobility

TECHNICAL SKILLS

Languages & Frameworks

- Python, Java, C#, JavaScript/TypeScript
- React, .NET, Vue.js

CI/CD & Automation

- Jenkins, GitHub Actions, GitLab CI, Azure Pipelines
- Designed traceable QA pipelines and automation infrastructure

Testing & QA

- Unit Testing, Playwright (E2E)
- Test management via Jira + Xray, integrated with pipelines

Tools & Infrastructure

- Jira, Confluence
- Docker, VMware
- Deployment: Heroku, Vercel, custom VPS (Debian, Ubuntu)

PERSONAL & INTERPERSONAL QUALITIES

- Adaptable and self-driven with the ability to learn and implement new technologies quickly
- Experience maintaining and supporting large Discord communities, managing moderation and automation workflows
- Passion for **home automation**, tinkering with a **3D printer**, and open-source software

- Strong interest in **tech that bridges people and systems**
- Enjoys meeting friends, traveling, food culture, and being in nature
- Enjoy collaborative problem-solving and mentoring colleagues through code reviews and knowledge sharing

OPEN SOURCE PROJECTS

Reply-Dota-2-Reddit (2016 – 2018)

A Reddit bot that replies automatically with match and player statistics for Dota 2 discussions using the Steam and OpenDota APIs. Helped transition from simple scripting to modular API-driven design.

discord-twitter-bot (2017 – 2021)

A popular Discord bot that posted tweets to Discord channels. Enhanced with Docker support, Heroku one-click deployment, and extensive configuration for filtering and location-based features. Highest starred project with over 350⭐ on GitHub.

discord-logo (2018)

- SVG-based embeddable Discord logo widget
- Highly customizable with real-time code generation and animations
- Built with Vue.js; featured real-time embedding and dynamic styling

d-zone / d-back / d-cogs (2020 – Present)

An ecosystem consisting of:

- **d-zone:** A web frontend visualizing live Discord activity as a voxel-based simulation with WebSocket integration and OAuth2 support.
- **d-back:** A Python WebSocket backend module that broadcasts real-time Discord events and serves static content.
- **d-cogs:** A Red-DiscordBot plugin that streams Discord server events to d-back.

TARGET ROLE

I'm looking for a **full-time backend role**, preferably **remote** or **hybrid**.
Open to roles involving:

- Backend/API development
- CI/CD and test infrastructure

- Automation
- AI and machine learning (new area of interest)

LANGUAGES

- English: Fluent
- German: Native
- Vietnamese: Basic

References available upon request.