

# Tin Nguyen



## Software Engineer | Consultant | Open Source Contributor

📍 Germany | Remote & Hybrid | 🌐 [nntin.xyz](http://nntin.xyz) | 📩 [nguyen.ngoctindaniel@gmail.com](mailto:nguyen.ngoctindaniel@gmail.com) | 🔗 [@NNTin](https://twitter.com/NNTin)

## PROFESSIONAL SUMMARY

Full-stack software engineer with 5+ years of experience in backend, frontend, DevOps, and test automation. Proven consultant in automotive, manufacturing, and industrial automation. Active open-source contributor with expertise in building scalable systems and CI/CD pipelines.

## WORK EXPERIENCE

### Software Engineer - ITQ GmbH | April 2019 – Present

- Built **production systems at enterprise scale** serving multiple teams
- Designed **CI/CD pipelines** enabling traceable QA workflows and multi-team collaboration
- Developed **end-to-end test infrastructure** supporting automated quality assurance
- Collaborated on **code reviews** and architectural decisions
- Deployed solutions on **real hardware** in production environments
- Successfully transitioned from on-site to hybrid/remote work model

## EDUCATION

### Bachelor of Science in Electrical Engineering | OTH Amberg-Weiden | 2011-2016 (Grade: 2.3)

- Thesis: Windows Forms GUI for electrical wire layout design with load simulation

### Master of Science - Electronics & IT

- Research assistant at FAU

FAU Erlangen-Nürnberg

2016-2019  
(incomplete)

Working student at Siemens Mobility

## TECHNICAL SKILLS

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

CI/CD & DevOps: Jenkins, GitHub Actions, GitLab CI, Azure Pipelines, Docker Testing: Unit Testing, Playwright (E2E), Jira + Xray integration Infrastructure: VMware, Heroku, Vercel, Debian/Ubuntu VPS

## KEY OPEN SOURCE PROJECTS

### discord-twitter-bot (2017-2021) | 350+ ⭐ GitHub

- Popular Discord bot with Docker support and Heroku deployment
- Advanced filtering and location-based features

### d-zone Ecosystem (2020-Present)

- **d-zone:** Real-time Discord activity visualization with WebSocket + OAuth2
- **d-back:** Python WebSocket backend for live event broadcasting
- **d-cogs:** Red-DiscordBot plugin for Discord event streaming

**discord-logo** (2018)

SVG-based embeddable widget with Vue.js

**Reply-Dota-2-Reddit** (2016-2018) Reddit bot with Steam/OpenDota API integration

## PERSONAL QUALITIES & INTERESTS

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- **Adaptable** self-learner with rapid technology adoption skills
- Experience managing large Discord communities and automation workflows
- Passionate about **home automation**, **3D printing**, and open-source software
- Strong **collaborative problem-solving** and mentoring through code reviews
- Enjoys traveling, food culture, and nature

## TARGET ROLE

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Seeking **full-time backend role** (remote/hybrid preferred)

- Backend/API development CI/CD and test infrastructure Automation AI/ML (emerging interest)

## LANGUAGES

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**German:** Native **English:** Fluent **Vietnamese:** Basic

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*References available upon request*