

# Daniel Stichling

Co-Founder · CTO · CFO

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Munich, Germany

[stichling.dev](http://stichling.dev)

[github.com/HeosSacer](https://github.com/HeosSacer)

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*Co-founder and engineer who ships hard things end-to-end — trading systems and data pipelines, IoT and edge infrastructure, and AI-assisted automation, from Rust/Go backends to self-hosted Kubernetes.*

## PROFESSIONAL EXPERIENCE

### Co-Founder, Software Engineer

Apr 2019 – Present

*Newgate (UnternehmerTUM / Strascheg Center)*

Munich, Germany

- Built in-house trading systems and data pipelines for digital asset trading (Rust, Go, Python, Postgres)
- Developed an Investor Relations Management platform (TypeScript, Firebase)
- Self-hosted Kubernetes infrastructure, monitoring, and DevOps
- Blockchain data mining and automated bookkeeping systems

### DevOps Engineer

May 2020 – Apr 2023

*Pentland Firth Software GmbH*

Munich, Germany

- Developed a proprietary deployment and OTA update system for 5,000+ IoT edge devices (Python, Go, Rust, Azure)
- Built internal tooling and configuration frontends (TypeScript)
- Firmware development for battery management and fault detection

### Working Student

Aug 2019 – May 2020

*Fortiss*

Munich, Germany

- Cloud architectures for edge-device integration and predictive maintenance
- Master's thesis: Energy-Based Condition Monitoring

### Intern — Effectiveness Analysis & Driver Modeling

Aug 2017 – Aug 2018

*BMW Group*

Munich, Germany

- Invented a novel approach to predict and detect lane-change maneuvers [Patented]
- Built data-mining applications for driving-data extraction
- Designed driver models for driving simulations and autonomous-driving evaluation

### Blockchain Developer

May 2017 – Feb 2019

*Burstcoin, PoC-Consortium*

Munich, Germany

- Development of core protocol features
- User wallet and payment-gateway implementation

## PROJECTS

### Document Verification System for German Immigration Offices

2025

OCR-based system to reduce manual workload during visa document checks, with AI-assisted validation and fraud detection.

### Voice-to-Text Healthcare Automation

2025

Prototype using OpenAI Whisper to transcribe patient–doctor interactions for automated clinical documentation.

## EDUCATION

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### **B.Sc. & M.Sc., Electrical Engineering and Information Technology**

*Technical University of Munich*

2013 – 2020

Munich, Germany

- Specialization in Neural Engineering, Machine Learning, Signal Processing, and Stochastics

## SKILLS

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**Stack:** Rust, Go, Python, TypeScript, PostgreSQL, Kubernetes, Docker, Azure, Firebase

**AI/ML:** Whisper, OCR, data pipelines, signal processing, predictive maintenance

**Domain:** DevOps, cloud architecture, IoT, embedded systems, blockchain

**Languages:** German (native), English (C2), Russian (B1), Chinese (A2)