

Fabian Bull

Software Engineer driven by insatiable curiosity

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📖 Summary

Professional nerd, passionate about learning new technologies and improving processes to enhance team productivity and product quality.

🧰 Experience

Lead Software Engineer 2023 - Present
SENEC, Leipzig, Germany

- Achieved 99.8% uptime across 150,000 production IoT devices by architecting robust update pipeline over Kafka and MQTT, reducing customer service tickets by 60%
- Reduced deployment time from 4 hours to 15 minutes by implementing automated update service, eliminating 95% of manual deployment errors
- Decreased mean time to detection by 75% by building comprehensive monitoring stack with real-time alerting, preventing 12+ critical outages annually
- Improved code quality and team productivity by mentoring 3 junior developers through structured code reviews and architecture guidance

Senior Software Engineer 2022 - 2023
eCube, Leipzig, Germany

- Delivered end-to-end payment solution that processed €2M+ in EV charging transactions, reducing payment failures by 85% through robust error handling
- Achieved PCI-DSS compliance within 3 months by implementing secure tokenization and real-time billing, enabling expansion to 5 new markets

Software Engineer 2015 - 2022
Datameer, Halle, Germany

- Scaled analytics platform to serve 20 Fortune 500 companies processing petabyte-scale data annually, maintaining 99.9% SLA while reducing infrastructure costs by 30%
- Accelerated data workflow development by 10x through custom DSL design, enabling business analysts to create transformations without engineering support
- Reduced deployment time from weeks to hours by containerizing entire stack, supporting faster customer onboarding velocity

🎓 Education

Ph.D. student in Bioinformatics 2011 - 2013
Martin-Luther University Halle-Wittenberg, Halle, Germany

- **Research focus:** Development of algorithms for the analysis of high-throughput sequencing data.

Dipl. Bioinformatics 2005 - 2011
Martin-Luther University Halle-Wittenberg, Halle, Germany

- **Research focus:** Data analytics for research projects at the Leibniz Institute of Plant Genetics and Crop Plant Research (IPK).
- **Specialization:** Software architecture and machine learning.

⚙️ Skills

Programming languages
Rust Java Go
Typescript Haskell

AI
Claude OpenAI
MCP Server

Frameworks
React Angular Flask
Spring Boot Tokio

DevOps
Docker Kubernetes
ArgoCD Prometheus
Grafana GitLab

Cloud
AWS Azure

Databases
PostgreSQL MariaDB
SQLite MongoDB
Neo4J Redis

Tools
Git Jira Confluence
Slack Vim

🗣️ Languages

English Native
French Beginner
Machine Code Fluent

🔧 Other

THW - 2024 - Present
Volunteer
THW, Halle, Germany