

# Bastian Gruber

## Professional

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## Code

GitHub: [github.com/gruberb](https://github.com/gruberb)

## SUMMARY

Well rounded Software Engineer, Team Lead and published Author ("Rust Web Development" - Manning). I thrive in an environment where I can dive deep into a new problem space, develop solutions with multiple stakeholders involved and thinking through a product end-to-end. I worked for StartUps developing both backend and frontend applications, distributed systems as a Systems Engineer and in client facing roles as a Solutions Architect. I love technology and building tools to elevate customer experiences and solve their problems. I founded the "Rust&Tell Berlin" MeetUp, which had the largest following globally, and engage with the local tech community wherever I live.

## PROFESSIONAL EXPERIENCE

*Senior Systems Engineer, Team Lead - Full-time*

April 2023 - now

Toposware, Remote

Developing a Peer-to-Peer distributed network, with high throughput and low latency. Part of the core team, consisting out of 4 people. Implementing the protocol and the services in-house. Debugging of production issues, implementing the core protocol, re-wrote the CLI, led benchmark initiatives, set up part of the CI/CD flow and Grafana dashboards.

- Increased the throughput of a node 10x
- Re-wrote the CLI to add configuration and robustness, better user guidance
- Led a team of 3 engineers for an internal benchmark project
- Implemented load testing for part of the codebase
- Connected external EVM chains to the core network

*Senior Software Engineer - Full-time*

August 2022 - February 2023

Centrifuge, Remote

Part of the protocol team implementing the DeFi application on top of Substrate. Working in a self-governed organization, leading the documentation efforts around Rust and the protocol implementation.

- Implemented the auto-generation of the online documentation with every PR
- Enabled mutating of money pools in the protocol
- Implemented client facing APIs on top of the money fund pools
- Co-authored RFCs to enhance the protocol

*Sr. Solutions Architect (Professional Services) - Full-time*

June 2020 - August 2022

Twilio Inc., Remote

Twilio just started to create their Professional Services team in EMEA and I was the second SA joining their team. The goal is to support and enable small to large scale customers using the Twilio APIs, help them integrate the services, do code reviews and review their architecture.

- Acted as the Technical Lead inside Fortune 500 companies
- Involved in hiring and onboarding
- Creating architectural specifications
- Develop reusable deliverables for customers
- Leading customers through a technical solution
- Code reviews
- Setting up sales and feedback cycles

*Systems Engineer - Contract*

September 2019 - May 2020

Kraken Digital Currency Exchange, Remote (San Francisco)

Part of the first Rust team of the company, replacing the core trading engine with Rust. Worked alongside 12 highly experienced Software Developers from all over the world. Refactor code from PHP to Rust, wrote new features in Rust in a well-tested highly secure manner.

- Re-wrote several PHP services in Rust to increase the throughput 100fold
- Wrote new services in Rust from the ground up
- Cross-communication with different teams and the CTO

*Software Engineer, Tech Lead*

September 2010 – August 2019

Scholarship, Enterprise, StartUp

- Was the first employee in two companies, setting up infrastructure, processes and the tech stack
- Worked both as a freelance consultant and full time employee
- Guided teams through learning a new language and maintaining a new technology stack
- Integrated security related infrastructure for IoT companies
- Mentored and guided junior developers

## EDUCATION

*Bachelor of Science, Computer Science*

September 2010 - February 2014

TH Ingolstadt

Scholarship from Allianz Deutschland AG to study Computer Science, fully funded and with trainings in Scrum, Java, PL/I and mainframe systems on the side.