Tino **Rusch**

SENIOR SOFTWARE ENGINEER

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"Honestly? Let's rewrite it in rust!"

Skills

Programming	Go (8+ years), Rust (2 years), C/C++, NodeJS, Python, Shell and more
Web	rocket and tonic with rust, server side rendering, fat-client apps, REST and web-gRPC APIs, react and typescript
Languages	English (business fluent), German (native)

Education

Otto-von-Guericke University *Magdeburg, Germany*

B.S. IN COMPUTER SCIENCE AND ENGINEERING *2009 - 2013*

- Bachelor thesis on secure communications in decentralized networks
- Focus on security and engineering

Experience

Contiamo GmbH *Berlin, Germany*

SENIOR SOFTWARE ENGINEER *Dec. 2017 - Nov. 2021*

- Worked on a multi-tenant data catalog cloud platform.
- Responsible for backend architecture of all components that supported the core functionality.
- Lead engineer for resource management and search.
- API design and communications with the frontend teams.
- Techstack: golang, postgresql, docker, kubernetes, redis, gRPC, typescript, react

WebVariants GmbH *Magdeburg, Germany*

SOFTWARE ENGINEER & ARCHITECT *Nov. 2013 - Dec. 2017*

- Worked on various projects for clients
- Kraftzwerge, a decentralized energy storage and management platform where I designed and implemented a container based firmware for the smart energy meter
- Lead architect and developer of SUSI, a c++ based extended event system targeting distributed embedded systems.
- Frontend for commscope's ION-U distributed antenna system
- VisuReal cloud platform for opticans

Otto-von-Guericke University *Magdeburg, Germany*

SCIENTIFIC ASSISTANT *Dec. 2011 - Okt. 2013*

- Implemented and simplified algorithms from unpublished papers.
- Evaluated runtime characteristics and provided samples.
- Worked on a framework for faster algorithm evaluation.

Achievements and Open Source

host-device plugin *CNI (container network interfaces)*

AUTHOR *May - Sep. 2017*

- Wrote the host-device CNI plugin that can move any host network device into the network namespace of a container.
- Initial use-case was to access a CAN-Bus from within a rkt container but now its used to support all kinds of otherwise unsupported network devices within k8s.
- The plugin is deployed on every kubernetes node worldwide

SUSI was finalist for the embedded award *Embedded World Conference, Nürnberg, Germany*

AUTHOR *2016*

- SUSI was nominated and made it to final round for the embedded award.