

Daniel Schmitz

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Recent Projects

- 2025-03–2025-08 **Spring Boot 3 Migration**, *Software Developer for investify S.A.*
migration of legacy microservices to spring boot 3 (java, spring boot)
- 2024-01–2025-02 **GUI for an IoT remote management platform**, *Software Developer for inqode Software Solutions GmbH.*
migration/re-development of a management GUI for a remote management platform (typescript, angular, material ui)
- 2024-01–present **Distributed Measuring and Automation System**, *Software Developer for Brisco Systems GmbH.*
development of a the firmware of a distributed measurement and automation system including a dashboard and management GUI (nodejs, typescript, angular)
- 2023-01–2024-09 **Hardware Simulator**, *Software Developer for Hexagon Technology Center GmbH.*
Development of a hardware simulator for verifying the firmware of coordinate measuring machines (C++, imgui)
- 2024-06–2024-08 **OPA Test Suite**, *Software Developer for investify S.A..*
development of a testsuite for policy engine rules (opa, go)
- 2024-01–2024-06 **Charge Curve Optimizer**, *Software Developer for SpotmyEnergy GmbH.*
development of an optimizer for charging curves for electric vehicles under constraints (google or tools, cp sat)
- 2023-09–2023-12 **Promotion campaign management / voucher system for online shop**, *Software Developer for investify S.A..*
development of a promotion campaign management / voucher system for an online shop backend and frontend (java, spring boot, typescript, react)
- 2023-09–2024-04 **Multi Vendor API Compatibility Layer**, *Software Developer for investify S.A..*
development of a multi vendor api compatibility layer (java, spring boot, mqtt)
- 2018-01–2022-12 **Enterprise Mobility Platform**, *Software Developer for twenty20 GmbH & Co. KG.*
development of a B2B administration tool in the telecommunications sector (kotlin, apache wicket, javascript, mysql, kafka)
- 2015-01–2018-12 **GNMF for Galileo Navigation Satellite System**, *Software Developer, Technical Officer for SCISYS Deutschland GmbH.*
co-development of a component of the ground segment of the Galileo navigation satellite system (java, bash, postgresql, egmc²)
- 2017-01–2018-03 **Development of a build system based on maven**, *Software Developer for SCISYS Deutschland GmbH.*
development of a build system for building heterogen RPM packages based on maven (maven, java, bash, RPM)
- 2017-01–2018-03 **Development of a container runtime system based on Docker**, *Software Developer for SCISYS Deutschland GmbH.*
development of a custom container runtime system like docker swarm based on docker (docker, ruby)

2017-01–2017-06 **Development of an openLDAP plugin**, *Software Developer for SCISYS Deutschland GmbH*.
development of an openLDAP plugin for secure storage / encryption of user passwords (openLDAP, c)

Education

2008–2014 **Diplom-Physiker (Master's equivalent)**, *TU Dortmund*.

Skills

Programming Languages	C++, Java, Kotlin, Go, TypeScript, JavaScript, Python, Ruby, Perl, Haskell, C, Rust, PHP, Bash, Sass (CSS)
Databases	MongoDB, MariaDB / MySQL, PostgreSQL, SQLite, InfluxDB, LDAP
Frameworks & Tools	Spring Boot, Quarkus, JavaFX, NumPy, SciPy, Angular, React, Vue.js, Symfony, Qt, Next.js, Google OR-Tools, Ktor, Docker
Operating Systems	Linux (Arch Linux, CentOS, Debian, Ubuntu, Alpine), Kubernetes
Other Software	OpenLDAP
Networking	IPv4 Routing with nftables, WireGuard, OpenVPN
Organizational Skills	Scrum, Agile Development, Test-Driven Development, Clean Code

Languages

German	native
English	fluent