

Marc Schiller

Software & System Engineer

CONTACT

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OBJECTIVE

Experienced Software & System Engineer with a demonstrated history of working in the information technology and services industry. Skilled in Python, DevOps, IP Networks, and IT Security. Broad system knowledge with great analytical and problem-solving skills demonstrated in IoT and IIoT environments.

SKILLS

Python
Expert

Linux
Expert

MQTT
Expert

Ansible
Proficient

Node.js
Proficient

ReactJS
Novice

Docker
Expert

Infrastructure
Expert

IP Networks
Expert

Git
Proficient

Network Security
Proficient

Rust / Golang
Novice

LANGUAGES

German Native **English** Fluent

Spanish
Conversational

HOBBIES

Long-Distance Running

Tennis

Skiing

Cooking & Barbecue

WORK EXPERIENCE

IntraNav GmbH (July 2019 - Present)
Lead Systems Engineer

- Conception & implementation of a microservice and cloud-based IIoT Platform
- Integration of a new UWB RTLS technology
- Setup of a CI/CD pipeline for microservices using Jenkins & Docker
- Development of microservices using C++, Python & Node.js
- Orchestration of microservices using Ansible, Docker & Docker Compose
- Integration of third-party tracking systems into the IIoT Platform
- Technical supervision of customer projects
- Personnel responsibility of a four-man team

Quantitec GmbH (December 2017 - June 2019)
Hardware Developer

- Development and integration of an IIoT gateway for a UWB RTLS based on Raspberry Pi
- Customer-specific application design and implementation using Python, C#, HTML5 & JavaScript
- Firmware development for a UWB RTLS system using C/C++
- On-site deployment and integration of a UWB RTLS
- Management of the company's internal network and server hardware

Adam Opel AG, EE Advanced Technology (August 2015 - October 2015)
Intern

- Development and evaluation of an authenticated key agreement protocol for vehicular ad-hoc networks in Python and NumPy
- Creation of visualizations for GPX files using a heat map in HTML5 & JavaScript

EDUCATION

Technical University of Darmstadt (October 2015 - September 2017)
Master of Science Electrical Engineering and Information Technology

Specialisation: *Computer Engineering*

Thesis: Coexistence of Dependent Transition-enabled Mechanisms

Technical University of Darmstadt (October 2011 - September 2015)
Bachelor of Science Electrical Engineering and Information Technology

Specialisation: *Computer Engineering*

Thesis: Prototypical Realization of Transition-enabled Ad Hoc Communication for a Mobile Pervasive Game