

Victor Hahn

Senior DevOps Engineer & Technical Account Manager

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location Malta (EU)

languages German (native)
English (proficient)
Spanish (intermediate)
French (intermediate)
Chinese (basics)



Key Skills

Leadership & Customer Experience	Technical (key) account management Product ownership Requirements engineering Leading technical teams Coordinating between teams, departments and third-party suppliers
IT Security	Risk analysis & holistic security Applied cryptography & security focused development IPSEC and secure multi-site environments Blockchain technology and cryptocurrencies
Operations	Site reliability engineering (SRE) Resilient high-load web services (Loadbalancing, Caching) Database design and high availability clustering (SQL mostly) Configuration management (Ansible, Chef, Puppet) Virtualized environments (KVM, Xen, ESXi) Containerization and orchestration (Docker, Kubernetes) Lots of glue code and shell scripting on both Linux (advanced) & Windows (basic) Fluent in TCP/IP and a diverse array of protocols Experienced in internetworking (BGP, Anycast) 15 years as a Linux admin
Development	Solutions architecture at high level and in detail Agile development and the Scrum process Parallel and distributed applications Advanced skills in Python and C++, intermediate in Java and Ruby Can't imagine life without git and love the CI/CD workflow

Project portfolio available as a separate document

Certification History

2018	CompTIA Security+ Certified Bitcoin Professional (C4 CBP)
2017	Professional Scrum Master (Scrum.org PSM-I) Professional Scrum Developer (Scrum.org PSD-I)
2016	Intermediate Chinese (HSK4)

Education

2014	Bachelor of Science in Computer Science, Grade A Darmstadt University of Applied Sciences, Germany
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Side projects

2011 – 2014	High School Teacher · Carl-Schurz-Schule, Frankfurt, Germany Teaching Computer Science to kids aged 12 to 16
2011 – 2014	Academic Senator · Darmstadt University of Applied Sciences, Germany Presiding Member of the Academic Senate

Open Source Contributions

The DeepDiff Python Library

DeepDiff is an open-source deep data analysis library and used by an ever-growing number of developers and data scientists at many high profile companies, including Netflix. It provides comparison and search functionality for virtually any kind of data.

I revamped DeepDiff's core, with a new underlying data model allowing the library to be used for systematic data processing in addition to mere analysis. This contribution, maintaining full backwards compatibility and characterized as "open-heart surgery" by the original developer, led to the project's 3.0 major release.

Atlas Traceroute Parser

Atlas is a global network of network probes managed by RIPE NCC, the European Internet Registry. Network engineers all over the world use it to monitor system connectivity and analyze routing issues.

My tool augments traceroute results obtained from RIPE Atlas with other publicly available data, and allows for comparison of multiple results (think "diff" for traces).

Transactional SQL Analyzer

Useful for distributed database design, this small tool provides insights into SQL transaction sizes and read/write ratios.

More contribution available on my GitHub profile.