

Jan Christoph Uhde

Diplom Informatiker

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As you think, so shall you become.

Experience

- Sep 2023 – Today **Senior Software Engineer**, *Finovesta GmbH*, Düsseldorf
- implemented excessive usage estimates for NYSE (C++ / asio)
 - implemented ex-dividend dates feature (C++ / Java (front-end))
 - implemented audit-log for CMEGlobex (C#)
- May 2021 – Today **It Consulting (secondary employment)**, *Kitamare gGmbH*, Cologne
- Sep 2020 – Jul 2023 **Technical Lead C++**, *Zendu / Tipster Service GmbH*, Cologne
- main focus on C++ BetServer (QT, gRPC, Kafka, MariaDB)
 - creation of build infrastructure for serverval libs (Gitlab, Docker, CMake, make, npm)
 - creation of multiple services and libs in golang
 - revived CI (QTest, GTestm, Gitlab)
 - became nationally certified (IHK) training supervisor
- Jul 2016 – Jul 2020 **Senior Software Engineer**, *ArangoDB GmbH*, Cologne
- implemented networking protocol, drivers (C++ and JavaScript), schema-validation
 - contributed to storage back-end, REST server, optimizer rules, geo-index, cluster selectivity estimates, one shard feature, ...
 - worked on internal build system (CMake, Docker, Python, fish, scan-build, clang-format)
- Aug 2013 – Jul 2016 **Software Engineer**, *ModuleWorks GmbH*, Aachen
- added Linux support to in-house build-system (Python/CMake/Bash/Batch)
 - virtualized Linux servers (QEMU/Puppet)
 - design and developed NC-code posting-framework (Python)
 - ported C++ libraries from Windows to Linux (gcc/gdb)
 - created algorithm in path-planning core (Visual C++)

Education

- Mar 2005 – May 2013 **Study of computer science (Diplom)**, *RWTH Aachen University*, Aachen
Thesis: Optimization of Discrimination Networks (Prof. Dr. Matthias Jarke)

Skills

- programming languages C++ (stl/boost/gTest), Go, Python, Bash, JavaScript
- operating systems GNU/Linux, OSX, Windows
- tools GCC, Clang, Make, CMake, GDB, Git
Qemu, Docker, iptables, Apache, systemd

Additional Information

- languages German (native), English (fluent)
- interests C++ user groups (Aachen, Düsseldorf, Cologne)

References

- ArangoDB Dr. Max Neunhoefer <max@arangodb.com>
- ModuleWorks Dipl.-Ing. Dipl.-Inform. Lothar Glasmacher <lothar@moduleworks.com>