

Jan Christoph Uhde

Diplom Informatiker

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As you think, so shall you become.

Experience

- Sep 2020 – Today **Technical Lead C++**, *Zendu / Tipster Service GmbH*, Cologne
- Maintaining iBet C++ Server (QT, gRPC, Kafka, MariaDB)
 - Maintaining build infrastructure and packaging for serverval libs (Gitlab, Docker, make, npm)
 - Created multiple services and libs in goLang (risk, lugas)
 - Revived Automatic Tests (QTest, GTest)
 - Became nationally certified (IHK) training supervisor
- May 2021 – Today **IT Consulting (secondary employment)**, *Kitamare gGmbH*, Cologne
- Jul 2016 – Jul 2020 **Senior Software Engineer**, *ArangoDB GmbH*, Cologne
- Implemented server side binary networking protocol
 - Created C++ and JavaScript database drivers (using boost.asio and Node.js nan)
 - Created JSON-Schema validation (C++, JavaScript)
 - Improved several optimizer rules
 - Worked on RocksDB storage backend
 - Added geo-index to query language
 - Worked on internal build system (CMake, Docker, Python, fish)
- Aug 2013 – Jul 2016 **Software Engineer**, *ModuleWorks GmbH*, Aachen
- Designed and developed an NC-code posting-framework (Python)
 - Ported C++ main libraries from Windows to Linux (gcc/gdb)
 - Worked on algorithms in path-planning core (Visual C++)
 - Added Linux support to in-house buildsystem (Python/CMake/Bash/Batch)
 - Virtualization of Linux servers (QEMU/Puppet)

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>
- Personal Prof. Dr. Sebastian Siebertz <siebertz@uni-bremen.de>
Maksim Arutyunyan <marutyunyan@google.com>