Torsten Albert

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EDUCATION

Frankfurt University of Applied Sciences, Frankfurt, Germany   **Oct 2012 - Mar 2015**

MSc. Student in High Ingetrity Systems, GPA: 1.5/5.0 (1.0 is the highest GPA) Major: Safety and Mission Critical Systems, Statistics, IT Security, Distributed Networks

- Courses: Database Management Systems, Safety Critical Systems, Smart Sensors Networks Systems, Statistics, Simulation Methods, Real Time Systems, Software Architecture, IT Security, Testing Methods, Formal Modeling.
- Course Projects: real time airplane landing scheduler, insulin pump simulation, wireless Smart Sensors Network for reading sensors data.
- Certificate for the first place in programming day competition between university students.
- Thesis Topic: "The Electronic Flight Bag for Air Traffic Controllers - a user driven Approach to reliable Information Management". Company: DFS - Deutsche Flugsicherung GmbH in Langen, Adviser: Dipl.-Ing. Udo Gebelein, Examiner: Prof. Dr. Matthias Wagner, Prof. Dr. Justus Klingemann. Grade: 1.3.
- Prototype development of the web-based Electronic Sector Manual with database connectivity.
- *JavaScript, Node.js, EJS, express.js, istanbul, mocha, AngularJS, jade*

Frankfurt University of Applied Sciences, Frankfurt, Germany   **Oct 2007 - Mar 2012**

BSc. Student in Computer Science, GPA: 2.3/5.0 (1.0 is the highest GPA), Major: Computer Science, Mathematics, Statistics, IT Security, Distributed Networks

- Courses: Computer Science major courses including the Programming of Assembler, Procedural and Object-oriented Languages, Databases, Networking, IT-Security and Project Management.
- Course Projects: communication in computer networks, realisation of a web application with Oracle Apex.
- Thesis Topic: " Entwicklung einer Software mit einer graphischen Benutzeroberfläche zur Konfiguration einer Systemkarte für das SPEED-xWDM-System" Company: Pan Dacom Direkt GmbH in Dreich, Adviser: Dipl.-Ing. Georg Dürr, Examiner: Prof. Dr. Güsmann, Prof. Dr. Hoffmann. Grade: 1.0.
- *C++, Qt Framework, Standard Libaries*

EMPLOYMENT

Testo SE & Co. KGaA, Titisee-Neustadt, Germany   **Juli 2021 - Now**

Remote Senior Software Developer

- Mobile App Developer for quality management app for food safety (Saveris Restaurant).
- Cross Platform Development for iOS and Android with Qt Framework.
- Android and iOS Framework implementation for Bluetooth Communication with Testo Devices (datalayer).
- *C++20, Qt Framework, CMake, conan, GTest, Kotlin, Swig, JNI, Gradle, Cocoapods, AAB*

IBM Deutschland Research & Develoment GmbH, Kelsterbach, Germany   **Jan 2020 - Jun 2021**

Software Developer

- Component Owner of Clustered Configuration Repository (CCR).
- Development for Spectrum Scale former General Parralel File System (GPFS).
- Story planning and realisation plus handling of customer escalation with defect fixing.
- *C++98, Bash, Linux*

IBM Deutschland Research & Develoment GmbH, Kassel, Germany   **Mar 2015 - Jan 2020**

Software Developer

- Realisation of a web portal for exchanging Security Information.
- Maintenance and development for Lotus Protector for Mail Security.
- SCRUM Master for X-Force Research Team.
- *C++, Bash, Python, React, Fullstack, Kubernetes, Docker, Linux*

DFS Deutsche Flugsicherung GmbH, Langen, Germany   **Mar 2014 - Oct 2014**

 Working student as an Application Developer
- Evaluation of an automated generation through parametrization of the Electronic Sector Manual.
- Prototype development of the web-based Electronic Sector Manual with database connectivity.
- *MySQL, Java*

Frankfurt University of Applied Sciences, Frankfurt am Main, Germany   **Oct 2013 - Feb 2014**

 Software Engineering Analysis Tutor
- Development methodology training, 14+ practical exercises prepared and conducted for the Software Engineering Analysis course for 60+ students.
- Help during the exam results evaluation, 180+ test reviewed.

NOLTE & LAUTH GmbH, Frankfurt am Main, Germany   **Sep 2013**

 Mobile Application Tester
- Manual testing (black-box, ad hoc, stress, load, perfomance, regression, alpha, acceptance).
- Software Release for the IAA presentation of Mercedes Benz.

Pan Dacom Direkt GmbH, Dreieich, Germany   **Sep 2011 - Mar 2012**

 Working student in Development and Production
- Hardware-oriented programming for glass fiber receivers.
- Production and installation of WDM products.
- Evaluation of a software solution for initializing configuration parameters.
- Development of the SPEEDMUX10G-Config-SW tool.
- *C, ATMEL, I²C*

QGroup GmbH, Frankfurt am Main, Germany   **Oct 2008 - Apr 2011**

 Working student as a System Administrator in Customer Service
- Realisation and maintenance of IT infrastructures.
- Working in costumer support hotline.

SKILLS

Tools: Git,GitLab, Jenkins, Visual Studio Code, QtCreator, Android Studio, VIM, LaTeX.

AI: Prompt Engineering, GitHub Copilot

OS: Mac OS, Linux(RedHat, Ubuntu)

Languages: English (advanced), German (native).