Dipl.-Inf. Matthias
Ruttmann
CURRICULUM VITAE

PERSONAL DATA

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PROFILE

Professional and disciplined software architect for 20 years. Strong experience in communication, databases and internet technologies.

PROJECTS

2020 — **VR Navigation:** Design a VR application to navigate and analyse a 3D scene.

2015 - 2020 — **Mobile radio tester:** Architect for Expanding Rohde & Schwarz Contest, a leading platform for 3GPP mobile radio verification tests.

- Extend the platform for 5G test equipment.
- Build tests for location-based services.
- Design a simulation framework.

2014 - 2015 — **Mobile signal generator:** Design the firmware, upgrade tool and user interface for a mobile signal generator.

2012 - 2014 — **HDMI Testsystem:** Integrate the HDMI generator/analyser in the Rohde & Schwarz Video test center. Design GUI, remote control and hardware driver.

2011-2012 — **Soccer Analysis:** Reference implementation for the DFL live stream approval. Display events and player tracking of soccer games for analysis and scouting database.

2003 - 2010 — **Internet Router**: Design the software for a core router. Supported protocols include BGP, OSPF, L2TP, IPSec. Built a Linux kernel module for multi gigabit wire speed routing.

2000 - 2003 — **Aladin Development platform:** Design a database development tool including forms designer, code editor and compiler.

1998 - 1999 — **Fonds Back office and portfolio management:** Test automation for SER V3 Fonds. Support for the Euro introduction.

1993 - 1998 — **Education**: Computer science at Fachhochschule Würzburg.