Dipl.-Inf. Matthias
Ruttmann
CURRICULUM VITAE

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PROFILE Software architect with 20 years of experience in complex system design. Expert knowledge in radio signals, IP technology and kernel development.

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.
- Train team members for the redesign and new language.
- Build tests for location-based services.
- Design a simulation framework.

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.

SKILLS Expert at C#, C++. Custom language design.

Expertise from compiler input to parallel μOp execution.

Technical lead in SCRUM teams.

More on: https://cv.ruttmann.name/login?code=Google07