

Résumé

# Daniel Schröder

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## Profile

- Technical Subproject Leader and Senior Software Engineer in Automotive and Mobile Phone industry.
- Strong software design and analytical skills backed by 20 years of software development experience (C, C++, Java) in embedded software environments; deep understanding of multitasking/multithreading software design
- Android hobby programmer – one app in the market, one ready for private use, cooperation with UK developer on a third one.
- International work experience in Bangalore/India and UK.
- Native German speaker, fluent written and spoken English

## Professional Career

7/06 - today  
[Harman/Becker](#)

Software Subproject Leader and Functional Owner for all video functionality in BMW's next-generation in-car entertainment head unit. Member of the Software Architecture and Design team.

Within the video subproject my responsibilities include:

- Customer Requirements Specification analysis, high- and low-level design of software components
- Technical lead of an offshore development team in Kiev, including source code quality assurance
- Coordination of in-house development, integration of software deliveries
- Implementation of critical code parts; black-box testing, problem analysis and bug fixing.

7/03 - 6/06  
[Agere Systems](#)

Technical Project Leader and Lead Developer of a team of 12 software developers in Bangalore for the UI and application layer of Agere's mobile phone software:

- Specification, architecture and design of all applications, from the dialer and contact book to the video player
- Implementation of critical code parts; quality gate for the source code developed in India

	<ul style="list-style-type: none"> <li>• Frequent travels to Bangalore, supporting the team on-site.</li> </ul>
6/01 - 6/03 <a href="#">Beta Research</a>	<p>Member of a small team developing an MHP stack in C++ and Java for a Pay-TV set-top box (d-box 2). My achievements:</p> <ul style="list-style-type: none"> <li>• Re-implementation of the object locking and threading mechanisms for the in-house Java Virtual Machine</li> <li>• Design and implementation of the DSMCC carousel API to allow downloading of broadcast applications</li> <li>• X.509 signature checking of downloaded applications; design and implementation of a PC tool to sign applications according to the MHP standard</li> </ul>
2/00 - 5/01 Mozquito Technologies	<p>Mozquito was one of the driving powers behind XForms, and we developed both web server extensions and a GUI editor that supported XForms. The client functionality was realized in JavaScript downloaded with a web page, so no built-in client support was needed. This allowed for really dynamic web sites, but then the time was not yet ripe for this.</p> <p>In a team of three, we created the concept, specification, and implementation of Mozquito's Next Generation server and GUI editor product.</p> <p>My focus was re-writing the client-side component that compiled FML (Forms Markup Language) documents into HTML and JavaScript in C++ for Windows, Linux, and BSD.</p>
5/98 - 2/00 self-employed	<p>Several projects, including web server set-up and maintenance for small businesses, website programming, MS-Access database programming etc.</p>
6/90 - 3/98 <a href="#">Rohde &amp; Schwarz</a>	<ul style="list-style-type: none"> <li>• Started as developer, implementing the GPIB and RS232 communication of several signal generator devices in C under VRTX.</li> <li>• As Senior Developer, implemented various pager protocols (ERMES, POCSAG, Flex) for a signal generator running pSOS.</li> <li>• As "executing project leader", I defined, designed, and implemented the application layer for a signal generator data source device.</li> <li>• During that time I also represented Rohde &amp; Schwarz in the international SCPI committee.</li> </ul>

## Education

1990  
Technische  
Universität  
München

Dipl.-Ing (univ) Elektrotechnik, Technische Universität München - university degree in Electrical Engineering, roughly comparable to a M.Sc.