CHRISTIAN SCHEID

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# Professional Summary

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| **Experience** | * Mobile Software Engineer with 16 years of experience in developing mobile- and web applications.
* Senior Technical Architect with experience in designing and implementing web-based solutions for more than 20 Fortune 500 companies.
* Technical Manager with 3 years experience in managing software development teams.
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| **Education** | * MBA in Concentration Technology Management – James Madison University
* BS in Information Management – European Business School
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| **Certifications** | * OC-JP/SCJP, Titanium Certified Developer (TCD), WebLogic Admin, Network+, I-Net+, Security+, Server+
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# Professional Experience

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| **MOBILE SOFTWARE ENGINEER / ARCHITECT,** Molina Healthcare, Inc. | 2012 – present |

As part of Molina Healthcare’s Emerging Technology Team, acted as Senior Mobile Developer and Architect in charge of developing several mobile applications and prototype to support Molina’s Medicaid/Medicare member services.

* Independently designed and developed a hybrid iOS application ‘mCare’ that assisted Care Managers in collecting patient health information and transfer information securely to the Molina server systems.. The program featured secure database encryption, oAuth authentication implementation, and remote synching of HTML form templates (XCode, Objective C, JQuery Mobile)
* Designed and developed a mobile application using Apache Cordova to search for Molina employee information and navigate the corporate hierarchy. (Apache Cordova, HTML, JS, Ajax)
* Created a design for a mobile application for Molina formulary lookup for iOS and Android operating systems and implemented th application. (Appcelerator Titanium Studio, JS, Ajax)
* Designed and developed an iOS a messaging prototype that used email, voicemail, SMS and Apple push notifications to notify Molina Medicaid members of appointment statuses. (XCode, Objective C)
* Developed a health messaging prototype for iOS and Android which allowed Molina Medicaid members to receive pregnancy wellness messages. (Appcelerator Titanium Studio, iOS, Android)
* Evaluated several mobile cross-platform development tools such as Appcelerator Titanium Studio, RhoMobile, and Smartface by developing a benchmark app and documenting the findings.
* Produced research papers on topics such as mobile security, target OS platforms for Molina members, and platform comparisons between iOS and Android, and the Mobile Cross Platform Development Tools.

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| **SENIOR MOBILE SOFTWARE ENGINEER,** Time Warner Cable | 2011 – 2012 |

Senior developer in charge of designing, developing, and presenting for WiFi and mobile concept prototypes.

* Independently designed and developed an Android application with the purpose to monitor VOIP client applications by collecting SMS events, phone call events, network connectivity events, device resource statistics, and RTP protocol traces.
* Designed and developed an Android prototype for TWC field engineers to display cable networks in map views and run simulations on WiFi signal propagation in order to determine suitability for WiFi router locations. (Android)
* Designed and presented a prototype on how to remotely deploy EAP-TLS WiFi profiles on iOS and Android platforms (iOS, Android)
* Created a demonstration on the security threads of MiFi devices by demonstrating man in the middle attacks, snooping and rogue web sites.
* Designed provisioning call flows for Time Warner’s planned backhaul system for 3G/4G devices.

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| **MOBILE DEVICE PLATFORM SOFTWARE ENGINEER,** Clearwire, Inc. | 2009 – 2011 |

Lead developer for standardized mobile device software stack development. Development of a common API for mobile device libraries, a standard hardware abstraction layer, and a common OMA DM client. Responsible for developing mobile Android 4G WiMAX test applications and various device diagnostics and device management tools.

* Independently designed and developed an Android application to display device and network information.
* Designed and implemented a light-weight OMA DM client for Android devices which can be used independently of the network type and device chipset. (C, cURL, Android)
* Ported the Beceem WiMAX device SDK and drivers to the Android platform using a Beagle board. (C, Android)
* Modified the Beceem WiMAX device SDK to be integrated with the open source WPA (EAP) supplicant in order to support the EAP-TLS network authentication process for mobile devices. (C, EAP-TLS)
* Developed a working solution integrating WiMAX device driver software with Garmin GPS functionality in order to send mobile device location information to the Clearwire diagnostics server. (C, OMA DM)
* Independently created 4G and 3G mobile device requirements and design documents for the reference OMA DM client implementation developed by Funambol Inc. (C++, OMA DM)
* Customized Apache JMeter to provide custom sampler classes for SOAP message generation and OMA DM session simulation for Clearwire Diagnostics- and OMA DM Server load testing. (Java, JibX)
* Independently designed and created a CGI-based OMA-DM Power Tools suite that included a SyncML client and tools for DM Security and Bootstrap encryption/decryption. (JQuery, Perl/CGI, OMA DM)
* Led the effort of creating requirements for a common C-based API that would allow applications interface with different 4G WiMAX chipsets (e.g. Intel, Beceem, GCT). (C)
* Developed a Centrafuse Plug-in to showcase 4G automobile capabilities including sending device diagnostics to Clearwire. The application was displayed at the New England International Auto show. (C#, Centrafuse)
* Reviewed Oracle Blue Avalanche (BA) production database configuration and solved a performance issue that caused the production system to become unstable under workload. (Oracle)

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| **TECHNICAL MANAGER,** RealNetworks, Inc. | 2006 – 2009 |

Responsible for managing all phases of the software development cycle for a mobile device Ringtone and Ringback Tone applications for Verizon Wireless, Inc. which generated a yearly revenue of 110 and 153 million dollars respectively. Created project estimates, produced functional specifications, and managed production releases. Oversaw production support and served as an on-call point of escalation for production issues.

* Monitored and tracked project progress according to the planned deliverables and drove the efforts of the team required for the successful delivery of over 30 high-quality production releases.
* Designed and developed a Personal Recommendation feature for the Verizon Deluxe Ringtone, RingbackTone system. (Java, SOAP)
* Developed several Perl scripts for analytics and financial reporting as well as billing code ingestion for the Verizon Ringtone/Ringback tone system. (Perl)
* Initiated and developed a standard Project Management process and document templates based on PMI methodology. Arranged eProject training and established a PMO document library.
* Solved 68% of all security issues that were found during a third party security assessment for the Ringback Tone application in three months and received the Information Security Progress Excellence Award.
* Solved a WebLogic performance problem that caused constant production environment downtime within the first two days of joining. (WebLogic)

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| **SOFTWARE ENGINEER/ARCHITECT,** Electronic Data Systems (EDS) Corp., Herndon, VA | 2002–2006 |

Key leadership role in designing and deploying tailored web application solutions based on Teamcenter Enterprise for several Fortune 500 companies in roles such as Technical Lead, Architect, Developer, and Performance Consultant.

* Managed a technical team in a two-year development effort of a web-based application for Eastman Kodak. Guided the extraction of requirements, the installation and configuration of the distributed web application as well as the design the object-oriented data model and the development efforts. (C++, Java, JSP, CSS, Oracle)
* Led the design of a custom web based software application for maintaining fighter jet engines at Tinker Air Force Base in the role of Technical Software Architect. (C++, Java, JSP, CSS, Oracle)
* Successfully developed an industry-tailored working prototype for managing footwear product data for Reebok,
Inc. in the role of Technical Team Lead in a two-month period.
* Designed and developed a Java program to synchronize Product Data with Gillette’s acquisition system.(Java)
* Implemented a web-based software solution for Jones Apparel Group for managing apparel product data in the position as Senior Technical Architect. (C++, Java, JSP, CSS, Oracle)
* Authored detailed technical architecture specifications for global web applications for customers such as Xerox, Seagate Technology, and ASCO Power Technologies.
* Conducted stress test studies targeted at BEA WebLogic web application server capacity for customers such as Xerox, Tinker Airforce Base, Air Products, Hudson.
* Carried out several performance studies intended to troubleshoot Otis Elevator’s Product Lifecycle Management system with distributed Oracle databases. Reduced workflow response times for remote sites in Japan by 87%.

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| **SOFTWARE ENGINEER/ARCHITECT,** SDRC Corp., Paris, France (acquired by EDS) | 2001–2002 |

Technical Architect and Performance Consultant for the software design, implementation, and performance troubleshooting of the Product Data Management software Teamcenter Enterprise/Metaphase.

* Independently implemented and configured distributed Product Data Management solutions for multiple customers such as Renault Car, Matra BAE, and Seygon. (C++/Java)
* Analyzed and resolved performance problems of production systems for customers such as Giat Industries and Schneider Electric. Improved response times of a multi-level expansion of a Bill Of Material by 60% at Thales by rewriting the standard software algorithm.
* Generated detailed software upgrade plans for customers such as Alstom Creusot, Alstom EES, and Telephonics and independently carried out the software upgrades.

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| **SOFTWARE ENGINEER/ADMINISTRATOR,** SDRC Corp., Herndon, VA (acquired by EDS) | 1997–2001 |

Designed, developed, and independently supported Mack Truck’s Product Data Management system that served more than 800 users worldwide. (C++, Oracle)

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| **PROGRAMMER/ANALYST II,** Freddie Mac, McLean, VA | 1996–1997 |

Developed a Visual Basic application created to support Freddie Mac’s Purchasing Division for multi-family loans that generated a net profit of 1.24 billion dollars in 1996.

# Technical Skills

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| **Programming Languages:** | C/C++, Java, JavaScript, JQuery, PHP, Perl, HTML, XHTML MP |
| **Mobile OS/Frameworks:** | iOS, Android |
| **IDE/Productivity:** | XCode, Android IDE, Titanium Studio, Visual Studio, Eclipse, Codeigniter |
| **Databases/SQL:** | Oracle, MYSQL, SQL, Toad |
| **App. Platforms, Performance:** | WebLogic Server, Apache, Apache JMeter |
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# Professional Certifications

* Oracle/Sun Certified Java Programmer (OC-JP SE 6/SCJP)
* Certified BEA WebLogic Administrator
* Oracle 10 Certified Database Professional (OCP)
* CompTIA Certified Network Technician (Network+)
* CompTIA Certified Internetwork Professional (i-Net+)
* CompTIA Certified Security Professional (Security+)
* CompTIA Certified Server+ Hardware Specialist (Server+)

# Education

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| **M.B.A. in Technology Management,** James Madison University, Harrisburg, VA*GPA: 3.9* | 1996 |
| **B.S. in Information Management,** European Business School, Öestrich-Winkel, Germany *GPA: 3.8 equivalent (best in class)* | 1995 |

# Honors

* Molina Healthcare ‘Above The Branches’ Awards (2012 & 2013)
* Nominated for ‘Clearly The Best’ Achievement Award (2010 & 2011)
* ‘Real Star’ Achievement Award (2009)
* RealNetworks ‘Information Security Excellence Award’, ‘Real Star’ Achievement Award (2008)
* ‘UGS Services Recognition’ & ‘Million Dollar Club’ Customer Service Award (2006)
* ‘UGS Technical Excellence’ Award (2004)
* ‘EDS Technical Excellence’ Award (2002)
* ‘SDRC Technical Excellence’ Award (1999)
* ‘SDRC Most Value Player’ Award (1998)