
Rainer Schwarze

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Software Developer

Summary

An experienced Software Developer delivering highly effective solutions, driven to tackle even the most difficult challenges with a strong focus to get the job done. More than 25 years of experience in all activities of the Software Development Life Cycle. Expert at design and development of reliable software in Swift, Objective-C, Java, C and C++ in Windows, web and iOS environments. Good experience in JavaScript, Ruby and many other languages. Providing excellent team skills, troubleshooting, presentation and issue resolution abilities. Keen to explore and learn upcoming technologies.

Work History

2020 – present	Software Engineer <i>Cornelsen Verlag GmbH, Berlin, Germany</i> • further development of mobile iOS App „Cornelsen Lernen“ in crossfunctional team in an agile environment (Objective-C, Swift, Xcode, Scrum, JIRA, GitLab) • implementation of backend communication, coordination across teams • integration of complex web components in iOS App with bidirectional data flow • implementation of deployment environments and targets, integration in CI/CD
2005 – present	Proprietor & Software Developer / Engineer <i>admaDIC Rainer Schwarze & Annett Schwarze GbR, Germany</i> • UI Control and Module Development in JavaScript Application Framework • iOS iPad App client, Ruby on Rails backend and Node.js backend in Health industry • create working custom Apache POI HWPF/XWPF project (read and write Word files) • implement Incremental Updates, form handling etc. in custom Apache PDFBox • correct time handling and XA (Distributed Transactions) in jTDS JDBC Driver • various software development projects (Java, C/C++, PHP/MySQL)
2000 – 2005	Managing Director – Software Development, Project Management, Sales <i>Fiedler Optoelektronik GmbH, Lützen, Germany</i> • lead small software development team, client-server based software package for company's hardware solutions (RTLinux backend, Java frontend) • development of software packages for measurement and data evaluation for laser extensometers (Java, MS Visual C, DOS, Windows, Borland Pascal) • improved internal processes, project documentation, project planning, cost calculation • acquired national and international customers, responsible for international sales representatives, significantly improved reputation of company • provided international customer support for critical problems
1996 – 2000	Software Developer <i>Fiedler Optoelektronik GmbH, Lützen, Germany</i> • development of software packages for measurement and data evaluation for laser extensometers (DOS, Windows, Borland Pascal, MS Visual C, Java) • developed and implemented algorithms for data evaluation for novel Laser Doppler Extensometer (Matlab, C/C++)

- significantly improved the existing software development process
- provided international customer support for software and hardware
- created user manuals for software and hardware

Education

1990 – 1996

Diplom-Informatiker (Master of Computer Science)
graduated with "very good"

Leipzig Technical University, Germany

- diploma thesis "Design of a modular data acquisition and control systems under Windows"

1987 – 1989

Abitur (higher education entrance qualification)
graduated with "good" (analogous to "very good" in standard Abitur education)

Martin-Luther University Halle/Wittenberg, Germany (German Democratic Republic)

- education with outstanding focus on mathematics and physics (one of about 15 elite schools for "high potentials" focusing on mathematics and physics in German Democratic Republic)

Skills

OO Analysis and Design



Swift



Objective-C



Java



C/C++



Agile



JavaScript



Xcode



Eclipse / IntelliJ IDEA



Hobbies

• Piano

• Board Games

• Hiking