

Bernd Becker

Independent Software Technology Consultant

bernd@bernd-becker.de

Zusammenfassung

Professional software architecting and engineering backed by 20 years of experience in all stages of software development.

Multi-platform development experience on Unix-based Operating Systems (Solaris, Linux, HP-UX, Mac OS X), and Windows using C, C++, Perl, Java, Javascript.

High level experience with distributed systems, n-tier architectures, object oriented and test-driven development, application servers, etc.

Expertise in relational database design, SQL, object-relational mapping and database operation (Oracle, DB2, MySql, Postgres, SQLite).

Software development within continuous integration environments using Open Source CI and SCM Software (Hudson, Subversion, CVS, Git).

Spezialgebiete

Web Application frontend and backend development, E-Commerce Systems, Unix Systems Development, Network Programming, Wireshark Plugin Development, Apache modules, Client Server Architectures, Network Security, Java, Java EE, XML, Spring, Hibernate, Spring MVC, Tomcat, C, C++, Qt, Perl, PHP, JavaScript, jQuery, adopting and integrating Open Source Software.

Fluent in German, English, Portuguese and Spanish (lived in Peru, Brazil, USA and Germany).

Berufserfahrung

Contractor at SEP AG

August 2012 - Present (2 months)

Design of a Web Application

Contractor at Deutsche Rheuma Liga Arbeitsgemeinschaft München

May 2012 - Present (5 months)

Website design, implementation and operation:

www.rheuma-liga-muenchen.de

Independent Software Technology Consultant at Bernd Becker

August 1990 - Present (22 years 2 months)

Below are some of the roles I played as a freelance contractor for several clients.

Contractor at Zott + Co GmbH

May 2012 - August 2012 (4 months)

Analysis of metrics for a network monitoring system.

Contractor at Pioneer Produkt-Entwicklung GmbH

September 2011 - March 2012 (7 months)

Server side development of a J2EE application for the automotive industry.

Contractor at netage solutions GmbH

February 2008 - January 2012 (4 years)

Development of additional features of a complex Java web application using Spring 3, Spring MVC, Spring Security, Hibernate, Mysql, Jmsa, jQuery.

Development of automated test suites using Selenium.

Implementation of service probing agents with Perl.

Contractor at Zott + Co GmbH, Murnau

January 2010 - January 2011 (1 year 1 month)

Design and implementation of a Java web application using Spring Roo as starting point. Extensive use of jQuery and AJAX on the client side.

Contractor at Zott + Co GmbH, Murnau

August 2007 - November 2007 (4 months)

GUI design and implementation in C++ with Qt4 GraphicsView framework for a performance measurement and monitoring product suite for Zott & Co GmbH.

Contractor at Siemens Enterprise Communications

January 2005 - May 2007 (2 years 5 months)

Design and implementation of GUI and server components in Java for a Voice over IP Deployment Server product with Java Swing, J2EE, Tomcat, XML Security, SSL, MS SQL Server. Automated test environments using VmWare virtual machines. NSIS installer script development.

Contractor at NetAge Solutions GmbH, Munich

September 2005 - October 2006 (1 year 2 months)

Design and implementation of a network management solution for a large mobile communications carrier.

J2EE with AppFuse, Tomcat, Spring, Spring MVC, JSP, Hibernate, Quartz, Acegi Security, MySql.

Freelancer at Siemens AG (BU ICN)

2004 - 2005 (1 year)

Design and implementation of protocols for the secure data exchange between VOIP components (phones, gateways, proxies) based on SSL and XML-Signature. Development, integration and testing of an enterprise grade SIP soft switch (HiPath 8000).

Freelance Trainer at SET GmbH

January 1995 - 2004 (9 years)

Held trainings in Unix Systems Administration, Systems Programming (Shell and C), Network Programming and Administration for companies like ABB, BMW, Deutsche Telekom.

Freelance Trainer at Zott + Co GmbH

March 1992 - September 2004 (12 years 7 months)

In-house trainings in Unix Systems Programming and Unix System Administration.

Contractor at Siemens AG (BU ICN)

April 1999 - August 2003 (4 years 5 months)

Design and implementation of a Public Key Infrastructure for Voice over IP PBX and soft switch systems.

Contractor at Siemens AG (BU ICN)

March 1999 - May 2003 (4 years 3 months)

Design and implementation of web based administration GUIs for Siemens HiPath PBX. Development of several modules for the Apache-HTTP-Server, including authentication and authorization modules. Platform SCO Unixware.

Contractor at Zott + Co GmbH

June 2001 - July 2002 (1 year 2 months)

Implementation of several protocol decoders for the Open Source protocol analyser Ethereal (now Wireshark):

Corba GIOP, Oracle TNS und some proprietary protocols. Performance testing of Corba applications.

Contractor at Altair Systems GmbH, Munich

January 1999 - July 2000 (1 year 7 months)

Development of a test framework (QUITE!) for GSM networks on the basis of Q3, OSI, ROSE, ACSE, CMISE, GDMO, ASN.1. Web-based frontend in PHP.

Contractor at Siemens Nixdorf Informationssysteme AG

March 1997 - August 1999 (2 years 6 months)

Implementation of large scale Internet based solutions for e-Publishing and e-Commerce based on a variety of standard software products from Netscape, Oracle and Broadvision.

XML Product Catalog generation with Perl.

Contractor at Topcom Software GmbH, Munich

January 1996 - August 1997 (1 year 8 months)

Design and development of a web-based GUI for a regression test system for GSM operation and maintenance software.

Contractor at Siemens Nixdorf Informationssysteme AG

January 1995 - December 1996 (2 years)

Concept und implementation of an automated regression test system for the D900-OMS Operation and Maintenance System of the German Telekom GSM network.

Contractor at Siemens Nixdorf Informationssysteme AG

March 1991 - July 1995 (4 years 5 months)

Integration and system tests for the D900 OMS Network Management Software for the German GSM networks. Development of a base station (BTS) simulator. Development and testing of communication protocol implementations of layers 5 through 7 as defined by TMN and Q3, based on the ISO reference model (e.g. CMIP).

Research Assistant at TU München

August 1986 - August 1990 (4 years 1 month)

Development of a performance measurement system for the SINIX kernel (Unix version of the Siemens AG). Design and implementation of kernel device drivers and user space analysis software.

Projekte

Website Rheuma Liga München

Mai 2012 bis Heute

Members: Bernd Becker

Website www.rheuma-liga-muenchen.de developed using twitter bootstrap, LESS CSS, html5 boilerplate, handlebars, node.js.

Sprachen

Deutsch

Englisch

Portugiesisch

Spanisch

Kenntnisse und Fähigkeiten

Perl

Hibernate

XML

C++

Tomcat

Spring

Network Programming

Java

JavaScript

Ausbildung

Technische Universität München

Master (Diplom-Informatiker), Computer Science, Mathematics, 1984 - 1990

University of Alabama

Computer Science, 1982 - 1983

Aktivitäten und Verbände: Tennis Team

Miami Dade College

Associate of Arts and Sciences (AAS), Computer Science, 1980 - 1982

Aktivitäten und Verbände: Tennis Team

Auszeichnungen und Preise

Tennis: ranked fourth in Brazil in the juniors in 1979.

Interessen

Sports in general. Sometimes I still swing the tennis racket. I love supporting my daughter doing cross country skiing (Langlauf). I have a great dog, a labrador retriever called Vilas.

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[Kontaktieren Sie Bernd Becker auf LinkedIn](#)