

Lars-Christian Fürstenberg

Senior Software architect / Developer

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Personal data

Name	<i>Fürstenberg</i>
First name	<i>Lars-Christian</i>
Year of birth	<i>1970</i>
Location	<i>Glinde, Schleswig-Holstein, Germany</i>
Martial status	<i>married</i>
Nationality	<i>German</i>
Languages	<i>German, English, Spanish, French (basic knowledge)</i>
Education	<i>1994-1998 Graduate engineer computer engineering (FH) at HAW Hamburg</i> <i>1991-1994 Technical education industrial electronics & automation</i> <i>1990 General qualification for university entrance at the Gymnasium Ganderkesee</i>
Professional experience	<i>telecommunication, health care, product development, alternative energy sources, insurances, banking sector</i>

Skilloverview

Technical expertise

Skilllevel

- 1 Basic knowledge
- 2 Good knowledge
- 3 Very good knowledge
- 4 Excellent knowledge
- 5 Specialist

Skill	Level	Skill	Level
Script- and programming languages		Databases	
C++	5	MySQL	4
Java	5	PostgreSQL	4
Objective-C	4	Oracle	3
Bash	3	DB2	3
Perl	2	SQLite	4
C++ Libraries/Frameworks		Operating systems (Handling and programming)	
boost	4	Windows (95,NT,2000,XP,Vista,7)	4
ACE	4	Linux (RedHat/Debian/Ubuntu)	4
Xerces/Xalan	4	Solaris 8-10	4
Poco	4	Mac OS X	4
Qt	3	iOS	4
mpf (http://libmpf.sourceforge.net/)	5	Android	3
Java Libraries/Frameworks		XML Technologies	
ANT	4	XML	4
J2EE 6	4	XSLT	3
JSF 1.1/1.2	4	XMLSchema	4
Spring 2.x	4	SOAP	4
Hibernate 3.x	4	WSDL	4
Facelets 1.1.x	4	Json	4
RichFaces 3.x	3	HTML/XHTML/CSS	4
iBatis	3	Tibco	
AXIS 1.1	3	iProcess	3
Swing	2	Tibco EMS	3
Web-/Applicationserver		UML and Tools	
Apache 1.3 - 2.x	4	UML	4
Tomcat 5.x - 6.x	4	Magic Draw	4
WebSphere	2	Rational Rose	3

Skill	Level	Skill	Level
<i>Tools and Compiler</i>		<i>Miscellaneous</i>	
<i>MS Visual Studio (1.0-9.0)</i>	4	<i>MS Office Produkte</i>	3
<i>Eclipse 3.x</i>	4	<i>OpenOffice/LibreOffice</i>	3
<i>g++ 2.95-4.x</i>	4	<i>Visio</i>	3
<i>Sun CC 5.x</i>	4	<i>Rally Agile Project Management</i>	3
<i>HP aCC 3.x</i>	3		
<i>Xcode 3.x.x/4.x.x</i>	4		
<i>RAD</i>	4		
<i>CMake</i>	4		
<i>Quantify/Purify</i>	4		
<i>Valgrind/Cachegrind</i>	4		
<i>Instruments</i>	4		
<i>Subversion</i>	4		
<i>ClearCase</i>	4		
<i>Trac</i>	4		

Customer list

Athelas GmbH
 carus IT AG
 Conergy AG
 Euler Hermes Kreditversicherungs-AG
 Software Daten Service GmbH
 T-Mobile Deutschland GmbH
 QualitySoft GmbH
 voltwerk GmbH

Projectexperience

Project experience in anti chronological order

Utilization time:	07/10 - 12/10
Sector:	Alternative energy sources
Project:	iPhone App 'voltapp' / 'Conergy VisionBox'
Project size/Team size:	5/2
Role:	Architect / Developer
Task:	Analysis, design, and implementation of an iPhone App for the monitoring of PV plants. Application in AppStore since 09.02.2011 (http://itunes.apple.com/de/app/voltapp/id410006189?mt=8)
Software:	Xcode 3.2.5 REST, XML, Json iOS 3.2 - 4.2, Mac OS X 10.6 Umllet (UML Design) Trac (Bugtracking and project control) Subversion (Versioncontrol) Unittests (Developer tests) SQLite (Database) Instruments (Profiling) Wiki, Doxygen (Documentation)

Utilization time:	06/09 - today
Sector:	Alternative energy sources
Project:	Monitoring Display
Project size/Team size:	20/10
Role:	Architect / Developer
Task:	Analysis, design, and implementation of a complex monitoring embedded device for PV plants. Code reviews, coaching and refactoring.
Software:	g++, Poco-1.3.5/1.4.1, in-house developed framework library XML, XHTML, HTML, JavaScript Ubuntu/Debian Linux, Open embedded CMake Top Cased (UML Design) Rally (Bugtracking and project control) Subversion (Versioncontrol) Cute (Developer tests) SQLite (Database) Valgrind/Cachegrind (Profiling) Wiki, Doxygen (Documentation)

Utilization time:	<i>05/08 - 05/09</i>
Sector:	<i>Insurances</i>
Project:	<i>Convergence</i>
Project size/Team size:	<i>>50/ 12</i>
Role:	<i>Developer</i>
Task:	<i>Realization of a complex web application for the claims department using use cases, storyboards and business rules. Analysis, design and realization of a SOX compliant finance interface for a SAP feeder system. Design and realization of SOX compliant finance reports.</i>
Software:	<i>IBM RAD , JDK 5, JSF 1.1, JSP, MyFaces Tomahawk, RichFaces, Spring, Hibernate iProcess (Business Rules Engine) XML, HTML, JavaScript Windows XP, AIX, WebSphere HP QualityCenter/Bugzilla CVS (Versioncontrol) JUnit, Selenium (Developer tests) DB2 (Database) JavaDoc (Documentation)</i>

Utilization time:	<i>10/06 - 04/08</i>
Sector:	<i>Alternative energy sources/PV-Monitoring</i>
Project:	<i>SunReader</i>
Project size/Team size:	<i>15/ 10</i>
Role:	<i>Architect / Developer</i>
Task:	<i>Analysis and design (using UML and use cases) of a web portal for the monitoring of PV plants. Realization of the portals technical architecture. Implementation of a development process based on the agile methodology (iterations, timeboxes, work packages, reviews, unit tests, UML, continous integration). Iteration monitoring and support.</i>
Software:	<i>Eclipse 3.3, JDK 6, JSF 1.2, Facelets, MyFaces Tomahawk, Spring, Hibernate, iBatis XML, XHTML, JavaScript Windows XP, Linux, Apache, Tomcat Magic Draw (UML-Design) Trac (Bugtracking) Subversion (Versioncontrol) JUnit, DBUnit, Canoo Webtest (Developer tests) SQLServer, PostgreSQL Wiki, JavaDoc (Documentation)</i>

Utilization time:	<i>02/07</i>
Sector:	<i>Product development / Bank</i>
Project:	<i>GEOS</i>
Project size/Team size:	<i>100/2</i>
Role:	<i>Reviewer</i>
Task:	<i>Review of the architecture and the software development process for the project GEOS (an integrated online system for the high-performance STP of securities and derivatives transactions in real time).</i>
Software:	<i>Word</i>

Utilization time:	<i>07/06 - 09/06</i>
Sector:	<i>Product development / Enterprise Data Transfer</i>
Project:	<i>EDT (Enterprise Data Transfer)</i>
Project size/Team size:	<i>2/2</i>
Role:	<i>Architect / Developer</i>
Task:	<i>Analysis, design and realization of an enterprise data transfer solution based on TIBCO EMS.</i>
Software:	<i>Visual C++ 7.1, g++, Sun cc, Java In-house developed framework library, ACE, Xerces, Boost TIBCO EMS (Java & C++) Windows XP, Unix (Sun Solaris, Linux) Magic Draw (UML-Design) Trac (Bugtracking) Subversion (Versioncontrol) Valgrind/Cachegrind (Profiling) cppunit (Unittests) DocBook, Wiki, doxygen (Documentation)</i>

Utilization time:	<i>09/04 - 10/06</i>
Sector:	<i>Product development / Integration software</i>
Project:	<i>eGIpt</i>
Project size/Team size:	<i>6/6</i>
Role:	<i>Architect / Developer</i>
Task:	<i>Analysis, design and realization of an integration platform.</i>
Software:	<i>Visual C++ 7.1, g++, Sun cc In-house developed framework library, boost, ACE, Xerces, Xalan Windows XP, Unix (Sun Solaris, Linux) Magic Draw (UML-Design) Trac (Bugtracking) Subversion (Versioncontrol) Valgrind/Cachegrind (Profiling) cppunit (Unittests) Sybase, SQLServer, Oracle, PostgreSQL, MySQL DocBook, Wiki, doxygen (Documentation)</i>

Utilization time:	<i>06/03 - 01/06</i>
Sector:	<i>Telecommunication / Frameworks</i>
Project:	<i>Carmen</i>
Project size/Team size:	<i>>200/16</i>
Role:	<i>Developer</i>
Task:	<i>Analysis, design and realization of framework components for customer care, rating/billing and operational network applications. Coaching and production support.</i>
Software:	<i>Visual C++ 7.1, g++, Sun cc, HP aCC, OSF cxx In-house developed framework library, ACE, Xerces, MFC Windows 2000, Unix (HP-UX, Sun Solaris, Linux, OSF) Rational Rose, Umllet 5.0 (UML-Design) DDTS (Bugtracking) ClearCase (Versioncontrol) Quantify/Purify (Profiling-Software) cppunit (Unittests) Oracle Word, Wiki (Documentation)</i>

Utilization time:	<i>07/02 - 05/03</i>
Sector:	<i>Telecommunication / Transaction platform</i>
Project:	<i>XTC</i>
Project size/Team size:	<i>20/8</i>
Role:	<i>Architect</i>
Task:	<i>Technical design (using UML and use cases) of a micro payment transaction platform. The platform is used corporate-wide (Europe) for the settlement of micro payment transactions via mobile telephones.</i>
Software:	<i>Word</i>

Utilization time:	<i>01/02 - 07/02</i>
Sector:	<i>Telecommunication / CRM</i>
Project:	<i>Carmen</i>
Project size/Team size:	<i>>200/3</i>
Role:	<i>Develop Manager / Developer</i>
Task:	<i>Design and realization of a customer contact management for a CRM system.</i>
Software:	<i>Visual C++ 6.0, Sun cc, SQL In-house developed framework library, MFC Windows NT, Unix (Sun Solaris) Rational Rose (UML-Design) DDTS (Bugtracking) ClearCase (Versioncontrol) Quantify/Purify (Profiling-Software) Oracle Word (Documentation)</i>

Utilization time:	<i>12/99 - 01/02</i>
Sector:	<i>Telecommunication / Frameworks</i>
Project:	<i>Carmen</i>
Project size/Team size:	<i>>200/12</i>
Role:	<i>Developer</i>
Task:	<i>Analysis, design and realization of framework components for customer care, rating/billing and operational network applications. Coaching and production support.</i>
Software:	<i>Visual C++ 6.0, Sun cc, OSF cxx In-house developed framework library, MFC Windows NT, Unix (Sun Solaris, OSF) Rational Rose (UML-Design) DDTS (Bugtracking) ClearCase (Versioncontrol) Quantify/Purify (Profiling-Software) Oracle Word (Documentation)</i>