

# Skill Profile

as of: October, 26th 2007



## 1 General

**Name:** Klaus Baumgartner  
**Degree:** Dipl. Computer Scientist (University of Applied Sciences)  
**Year of birth:** 1977

### Core capabilities

Software Projects, IT-Trainings and -Consulting, Object Oriented Analysis and Design, System Architecture, Enterprise Environments (J2EE / Java EE 5), Design Patterns, web2.0, RIA, Knowhow Transfer, Teamlead

## 2 Technologies / Professional skills

<p>Operating systems:</p> <ul style="list-style-type: none"><li>• Windows</li><li>• Linux</li><li>• Solaris *</li></ul> <p>Programming languages:</p> <ul style="list-style-type: none"><li>• Java</li><li>• C / C++</li><li>• Python</li><li>• Pascal, Basic, Cobol, Assembler, Perl, Javascript, ... *</li><li>• Adobe Flex2, MXML, FDS, ActionScript 3</li></ul> <p>Databases:</p> <ul style="list-style-type: none"><li>• PostgreSQL</li><li>• MySQL, MS SQL *</li><li>• JavaDB/Derby</li><li>• DB2</li><li>• Oracle</li><li>• Lotus Notes Domino</li></ul> <p>Development tools and environments:</p> <ul style="list-style-type: none"><li>• Eclipse / IBM WSAD</li><li>• IBM VisualAge</li><li>• NetBeans, Borland JBuilder *</li><li>• Rational Rose *</li><li>• Visual Studio *</li><li>• Ant</li><li>• SquirrelL</li><li>• BEA WLS</li><li>• IBM Websphere AS</li><li>• JBoss</li><li>• Glassfish (SUN JSAS 9)</li><li>• Subversion, CVS</li><li>• Bugzilla, Mylyn</li></ul>	<p>Special Expertise:</p> <ul style="list-style-type: none"><li>• J2EE / Java EE 5 (EJB, Servlets, JSP, JMS, JAAS, ...)</li><li>• Java APIs (Core, Swing, 2D, JDBC, JavaMail, ...)</li><li>• J2ME (CLDC, MIDP)</li><li>• Java CUP, Jflex</li><li>• Lex, Flex, Bison, YACC *</li><li>• Design patterns</li><li>• UML</li><li>• SQL</li><li>• XML / XSLT</li><li>• HTML / DHTML / XHTML / CSS</li><li>• AJAX (GWT, jMaki, Dojo, google widgets)</li><li>• Adobe Lifecycle Data Services (Icids)</li><li>• Client-Server and Multi-Tier Architectures</li><li>• Project infrastructure management</li><li>• Knowhow transfer</li><li>• Team leadership</li></ul> <p>Certificates:</p> <ul style="list-style-type: none"><li>• Sun Certified Java Programmer</li><li>• IBM Certified Specialist "IBM VisualAge for Java"</li><li>• MicroConsult-Zertifikat "OOA Analysis with UML"</li></ul> <p>Verticals:</p> <ul style="list-style-type: none"><li>• Knowledge management</li><li>• DTP / Pre-press</li><li>• VR / Automation</li><li>• Automotive</li></ul> <p>Foreign languages:</p> <ul style="list-style-type: none"><li>• English - fluent spoken and written</li></ul>
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### 3 Project References / Assignments:

Period	Company	Tasks
2005 - today	DialogData  Munich	<ul style="list-style-type: none"> <li>➤ JEE 5 Architecture &amp; Programming of an Integration Platform               <ul style="list-style-type: none"> <li>○ EJB 3</li> <li>○ Persistence Provider JBoss/Hibernate/Toplink</li> <li>○ Event-Remoting in AJAX Thin Clients</li> <li>○ Google Web Toolkit (GWT)</li> <li>○ Architecture and Implementation of Frameworks</li> </ul> </li> <li>➤ Trainer and Consultant, Lead               <ul style="list-style-type: none"> <li>○ OOP with Java</li> <li>○ Enterprise Software with Java EE Frameworks</li> <li>○ Java EE Supportteam at BMW</li> <li>○ Code- and Concept-Reviews</li> <li>○ Analysis and recommendation of Enterprise Application Servers</li> </ul> </li> <li>➤ Software-Project: BMW's Core-System for automated Production and Testing</li> <li>➤ Knowledge Management</li> <li>➤ Processanalysis and –control</li> <li>➤ IT division support</li> <li>➤ Curriculum and production: DVD- Training „Java EE 5 – Einstieg für Anspruchsvolle“</li> </ul>
2005	WorldViz LLC  Santa Barbara, CA	<ul style="list-style-type: none"> <li>➤ Refactoring and further development of Virtual Reality Systems</li> <li>➤ Motion Tracking with hybrid optical/inertial Tracking-System (C/C++, Python, Java, Matlab, UML)</li> </ul>
2004	Cynera  Munich	<ul style="list-style-type: none"> <li>➤ Conception / Design and Implementation of an in Condition and Programming persistent Status Machine</li> <li>➤ Development of J2ME-Games for Mobilephones on basis of the Status Machine mentioned above (Java, J2ME, Java CUP, Jflex, CLDC, MIDP)</li> </ul>
2003 - 2005	BMW Group AG  Munich	<ul style="list-style-type: none"> <li>➤ Software-Project: Web application for deployment of Software components</li> <li>➤ Software-Evaluation for BMW-Blueprint</li> <li>➤ Software-Project: BMW-Error handling- and Logging-Framework „EHL2“, J2EE-based</li> <li>➤ Consulting of Application Projects using EHL2 (Java, DHTML, XHTML, XML, XSL, Perl, Oracle, BEA WLS, UML)</li> </ul>
2003 - 2006	Evangelisch katholische Hochschulgemeinde  Munich	<ul style="list-style-type: none"> <li>➤ Event-photography               <ul style="list-style-type: none"> <li>○ Students' recreational and cultural activities</li> <li>○ Annual "Hochschulcup" (Golf)</li> </ul> </li> </ul>

		<ul style="list-style-type: none"> <li>➤ tournament)</li> <li>➤ Concept and lecture: Workshop “digital photography”</li> </ul>
2002 - 2003	<p>Medat Computersysteme GmbH</p> <p>Munich</p>	<ul style="list-style-type: none"> <li>➤ Execution of training courses</li> <li>➤ Conception and Implementation of a XML-Configuration-Frameworks</li> <li>➤ Redesign a. Migration of monolithic Legacy-Systems</li> <li>➤ Graphical User Interfaces</li> <li>➤ (UML, CORBA, IDL, XML, XSL, Java, Oracle)</li> </ul>
2002	<p>University of Applied Sciences</p> <p>Munich</p>	<ul style="list-style-type: none"> <li>➤ Tutor for lecture “Moderne Programmiersprachen” (programming using modern languages)</li> </ul>
2000	<p>TWT AG (Institute for technology and knowhow transfer)</p> <p>Munich</p>	<ul style="list-style-type: none"> <li>➤ Tutor of mathematics introductory course for the Munich University of Applied Sciences</li> </ul>
1999	<p>Cyan Repro GmbH</p> <p>Munich</p>	<ul style="list-style-type: none"> <li>➤ Implementation of a software for Workflow management and Document generation in DTP/pre-press</li> <li>➤ (Postscript, Java)</li> </ul>
1998 - 2002	<p>ARS Computer &amp; Consulting GmbH</p> <p>Munich</p>	<ul style="list-style-type: none"> <li>➤ Development of Notes-Databases</li> <li>➤ Creation of training material</li> <li>➤ Course instructor: Software development with Java (1-5 days seminars a. trainings, e.g. for Datev, GAD, Pro7, Siemens, MTU, MicroConsult, UKV, ...)</li> <li>➤ IT-Consulting with scope on Software development</li> <li>➤ Software project Internet-Portal and Host-Access for Deutsche Vermögensberatung AG</li> <li>➤ Participation in „Java-Programming with IBM VisualAge“ (Addison Wesley)</li> <li>➤ Co-Author of „Enterprise Java with IBM Websphere“ (Addison Wesley)</li> <li>➤ (Java, J2EE, XML, Lotus Notes Domino, C/C++, ...)</li> </ul>
1997 – 1998	<p>Simi Motion GmbH</p> <p>Unterschleißheim</p>	<ul style="list-style-type: none"> <li>➤ Applied backward calculation in the field of Motioncapturing and 3DModeling</li> <li>➤ (Maple)</li> </ul>

#### **4 Other proficiencies**

- Photography (agency/contract)
- Adobe Photoshop
- Adobe Premiere
- Adobe Illustrator \*
- Corel Draw
- Office (Word, Outlook, Powerpoint, Excel)
- QuarkXPress \*

#### **5 Publications**

- Co-Author of "Enterprise Java with IBM Websphere" (Pearson / Addison Wesley)
- Participation in „Java-Programming with IBM VisualAge“ (Pearson / Addison Wesley)
- Curriculum for and production of DVD-training „Java EE 5 – Einstieg für Anspruchsvolle“ (Video2brain and Pearson / Addison Wesley)