

# CURRICULUM VITAE

BABAK S. HOSSEINI  
Huckarder Allee 62  
44369 Dortmund  
Germany  
+49-1577-1591040  
babak.s.hosseini@gmail.com

---

## EDUCATION

- 09/2004           Diplom (corresponds to the **Master of Science** degree)  
*with German final degree: 1.9 (see last page for translation in U.S. grades)*
- 03/2004–09/2004   Diploma thesis at the Computer Science Department's Computer Graphics Chair of Technical University Dortmund, Germany  
*Thesis: Simulation of the Proliferation Dynamics of a Squamous Epithelium Tissue using Cellular Automata*
- 10/2000           Vordiplom (corresponds to the **Bachelor of Science** degree)
- 10/1998           Computer Science studies at Technical University of Dortmund (Germany) with subsidiary subject Medicine
- 06/1998           Abitur (german university-entrance diploma)

---

## WORKING EXPERIENCE

- 02/2005–present   **IBM, Düsseldorf, Germany**  
Employed as a Computer Scientist / IT Specialist / Consultant in the IBM company itsas
- **IBM Project „KBA” at Arcor AG & Co.KG, Essen, Germany (31/03/2005 - present)**
- Development of a **J2EE** application for the administration of all customer- and product related affairs of the Arcor company
- Duties:**
- Specification of new software modules to be developed with the Arcor business analysis department
  - Creation of software design documents
  - Implementation of new requisitions
  - Implementation of JUnit tests for automatic functionality control
  - Maintenance of the developed software
  - Coaching: Propagation of project specific and technical knowledge to new project members
- Env./Software:** AIX, Debian Linux, Win2000, J2EE (JSP/SERVLET/JDBC/JMS /JNDI/JMX/JAVAMAIL/JAXP), Eclipse, Apache Axis WebServices Framework, Apache Tomcat 5, Oracle 9i, SysDeo Tomcat PlugIn, IBM MQSeries Workflow, Selectica Rule Engine, Cygwin, Apache Ant, Java Webstart, XML, XSD, WSDL, XSLT, JDOM, OSGI, SVN, CVS, PVCS, XHTML, Apache Velocity, CSS, MS Visio (UML)

- **Project „RFID Showcase Demo for the IBM Stand on CeBIT 2007”, Düsseldorf, Germany (02/2007 - 03/2007)**

Architecture and implementation of a C++ based application for PDA's enabling reading and writing of RFID Tags.

**Env./Software:** WinXP, Microsoft Embedded Visual C++, MFC, C/C++, Cygwin, GCC, SVN

- **Project „Art & Deko Mobile Management System” at Art & Deko GmbH, Solingen, Germany (12/2005 - 12/2005)**

Architecture and implementation of a J2EE/.NET based Client-Server application for efficient picking of goods. A .NET application on C# basis was developed for clients (PDA's) for interaction with a J2EE server application.

**Env./Software:** WinXP, Windows CE/Mobile, J2EE (JSP/SERVLET/JDBC/JAXP), Eclipse, .NET (C#), Microsoft Visual C++, Apache Tomcat 5, SysDeo Tomcat PlugIn, PostgreSQL, MS Access, Apache Ant

- **IBM Project „Kyocera Java-Sap Interface” at Kyocera Mita Deutschland GmbH, Meerbusch, Germany (03/2005 - 03/2005)**

Analysis, correction, extension and documentation of a java based software used for order- and asset tracking.

**Env./Software:** WinXP, IBM AS/400, OS/400, J2SE, Eclipse, XML, Apache Ant

08/2001–09/2004 **VCE Verkehrslogistik Consulting & Engineering GmbH, Dortmund, Germany**  
Employed as a software developer at the VCE GmbH

- **Project „Mobile Logistics”**

*Advancement of a geo information system software*

- Self dependent development of a concept and implementation of a software module for visualization of geographic map data (AND, GDF)
- Development of a visualization prototype working with OpenGL, Java2D and Java3D
- Customization for display on alternative end devices (PC, WebBrowser, mobile end device on Windows CE Basis)

**Env./Software:** Linux, Win2000, WinCE, Gotive, J2SE, IBM WebSphere Device Developer, IBM J9 Virtual Machine, CrEme Virtual Machine, C++, MFC, OpenGL, GL4Java, Java3D, Eclipse, Microsoft Visual C++ Embedded, Oracle, MySQL, Cygwin, Apache Ant, CVS, HTML

- **Research project „Transportbroker” (Landesregierung NRW, EU)**

*Realization of a J2EE/PHP based web portal for an online brokerage application in logistics area (<http://www.transport-broker.de>)*

- Provision of a communication facility according to the Client/Server Paradigm based on Java-RMI
- Constitutional outline of a database structure for mapping of business processes (MySQL)
- Realization and integration of business processes on the basis of Java-Servlets technology.
- Processing of EDI documents (shipping orders) via xml and xslt transformations.
- Integration of the freightage management solution (VCE-FRAME) as a Transport-Broker value-added service on Java Applet basis

**Env./Software:** Linux (Mandrake/SuSE), Win2000, J2EE(SERVLET/JSP/JDBC), XML, XSLT, Apache HTTP Server, Apache Tomcat, Eclipse, MySQL, Cygwin, Apache Ant, CVS, HTML,  $\LaTeX$

• **Project DB-REGIO**

Design and implementation of a statistics and analysis software for DB Regionalbahn Westfalen

**Env./Software:** Win2000, J2SE, XML, MySQL, Cygwin, CVS

04/2001–04/2002 **Project „Virtual Reality System LightWorld”,  
Technical University Dortmund, Computer Graphics Chair of Computer Science  
Department, Dortmund, Germany**

- Design and implementation of a distributed system for immersive virtual environments (like CAVE)
- Synchronization of distributed scenegraphs
- Realization of a communication platform according to Client/Server paradigm based on CORBA (mico) and socket technology
- Design and implementation of an OpenGL Performer based game for underpinning the functionality of the developed API

**Env./Software:** Linux (Debian), Unix (Sun Solaris), C/C++, GCC, OpenGL, OpenGL Performer, CORBA (mico), Autoconf, Automake, KDevelop, Together (UML), NB++, vi, XML, CVS,  $\LaTeX$

10/1999–08/2001: **Fraunhofer Institute for Materialflow and Logistics, Dortmund, Germany**

Java developer in various projects in „Transportation logistics” context.

**Env./Software:** WinNT, Unix (Sun Solaris), Linux (SuSE), VisualCafe, NetBeans, MED, KAWA, vi, XML, RCS, CVS

---

## SKILLS

- Certifications: Sun Certified Java2 (v.1.4) Programmer
- OS: **Linux** (Debian/Ubuntu/Mandrake/Gentoo/Redhat/SuSE), Sun Solaris, AIX, Microsoft Windows (95 - XP, CE/Mobile)
- Languages: Java, C/C++, C#, XML, XSD, XSLT, WSDL, WSDD, SQL, (X)HTML, Linux shell scripting (bash)
- Software Eng.: Management, Architecture, Design, Implementation, Test, Documentation
- Methods: Object Orientierted (OO)-Design, OO-Programming, OO-Analysis, UML, Design Patterns, Unit Testing
- Courses: IBM Global Services Methods, IBM Architectural Thinking, From J2EE Applications to Business Processes: IBM WebSphere V6 Application Server Administration
- Software: J2EE, J2SE, J2ME - Lightweight Java VM's for Mobile Devices (CrEme/IBM J9), JBoss Application Server, EJB 3.0, JSF, JNI, CORBA (mico), OpenGL, OpenGL Performer, OpenGL for Java (GL4Java), QT, KDE Programming, Eclipse, KDevelop, KDestudio, Netbeans, Symantec VisualCafe, Med, Kawa, vi, MS Visual Studio (Embedded), Apache Ant, Automake, Autoconf, GCC, SVN, CVS, PVCS, RCS, Together (UML), Visio (UML),  $\LaTeX$ , OpenOffice, MS Office, Gimp
- Databases: PostgreSQL, MySQL, Oracle, MS Access

---

## LANGUAGE KNOWLEDGE

German: Fluent written and spoken

English: Fluent written and spoken

Persian (Farsi) : native

---

References available on request.

German Grading System as it compares to American grades:		
„1/sehr gut”	„very good” (seldom achieved)	<i>A+, A, A-</i>
„2/gut”	„good” (well above average)	<i>B+, B, B-</i>
„3/befriedigend”	„satisfactory” (fulfilling all normal requirements)	<i>C+, C, C-</i>
„4/ausreichend”	„fair” (meeting requirements despite weaknesses)	<i>D+, D, D-</i>
„5/mangelhaft”	„insufficient” (fail)	<i>F</i>
„6/ungenügend”		