



Mats Henricson
mats.henricson@crisp.se
<http://www.crisp.se/mats.henricson>
Phone: 0706-83 84 88

SUMMARY

Master of Science in Engineering Physics. Professional software development in C++ and Java since 1989. Co-writer of a C++ book published by Prentice Hall. Very solid OO experience. Between 1993 and 1996 voting member of the ISO/ANSI C++ standardization committee, representing Ericsson. Member of the Java Community Process, JCP. Passion for agile development of quality software in Java. Currently specializing in Scrum, TDD, Java, Ajax, Scala and technology scouting.

PRIVATE PROGRAMMING EXPERIENCE

On my free time I'm developing a customizable packing list for travel. I use Tomcat/Servlets/JSP, Applets, Spring Framework, GeoTools, XSLT, XML, XSD, Castor, log4j, JavaScript, JUnit, HttpUnit, Ant, JavaMail, Subversion, JPreferences, Hibernate, MySQL, JFreeChart, HTML 4.01 and CSS. It is hosted [here](#). Source code available upon request.

PROFESSIONAL EXPERIENCE

[Crisp AB](#), Stockholm, Sweden, September 2004 - current

Crisp is a partner-owned company offering exceptionally experienced J2EE and agile consultants. Position as Software Engineering Consultant.

- Developed Java software for an online gaming company, using Tapestry 5, Maven 2, IntelliJ 8, Jetty, Perforce, Ubuntu, Jira, MediaWiki, Java 6, Oracle, DbVisualizer, dotCMS, Spring 2.5.
- Developed Java software for a online gaming company, using Scrum, TDD, Maven 2, Eclipse, JDK 1.6, Spring 2.5, jQuery, JPA, Ubuntu, Perforce, Oracle and WebLogic.
- Designed, implemented, tested and documented a RESTful interface to a JavaScript web client using Jersey, JAXB and JSON. Delivered to partner as a totally self-contained WAR file.
- Kickstarted Scrum at a real-time image analysis startup at KTH.
- Designed an XML Schema for inventory database import from external customers.
- Used Quartz to develop a timer framework for downloading keyword search statistics from Google, Yahoo, Eniro and TradeDoubler. Also used Hibernate 3, Spring 2.5 and GWT in a Scrum project.
- Maintained the web layer of a Web 2.0 application written in Tapestry 4. Also some Ajax using Tacos.
- Created a 3 hour Ajax seminar and held it at various companies in Stockholm. Used S5 instead of PowerPoint. Also created a 1 day Ajax course called "Advanced Ajax with DWR".
- Maintained a PoC/SIP-application at [Ericsson](#). Java 5, Eclipse, Tomcat, ClearCase, Ant, JUnit, Sybase. Reviewed several hundred files across the project.
- Implemented various helper applications for the travel industry, such as processing of PNL/ADL files and passenger notifications for travel changes. Java 5, Tomcat, Eclipse, PostgreSQL, Ant and XMLC.
- Changed the architecture of a server platform for mobile games. Introduced better scalability and removed single points of failure. Performed reviews of all new code. Redesigned a J2ME/MIDP API to be very generic and flexible, and still only 1382 bytes of size. Introduced the use of Hibernate and JUnit. Eclipse, MySQL, J2SE 1.4, ActiveMQ and Perforce.

Valtech AB, Stockholm, Sweden, December 2003 - August 2004

Valtech is a medium-sized company mainly offering skilled J2EE consultants. Position as Software Engineering Consultant.

- Developed software for supporting content providers to a mobile platform at [Telia](#). JSP, JavaScript and JDBC.

Avega AB, Stockholm, Sweden, September 2003 - November 2003.

Avega is a medium-sized company mainly offering skilled J2EE consultants. Position as Software Engineering Consultant.

- Developed software for a claims management system for [ESF-Rådet](#), a government agency delivering EU-money to various projects. Servlets, Rose, and the STINA framework.

WebPutty Inc., San Jose, California, November 2002 - May 2003

WebPutty was a startup with an application platform product. Position as Principal Software Engineer.

- Developed server software in Java and C#.
- Wrote the Ant build script for the Java project.
- Ported a subsystem processing a minilanguage from C# to Java.
- Developed web sites for partners, using ASP, C# and JavaScript.

Enactex Inc., Campbell, California, February 2002 - November 2002

Enactex was a small startup with a project collaboration product. Position as Senior Software Engineer.

- Developed server software for an internet project collaboration tool suite. JDK 1.3, Ant, JBuilder, StarTeam, Oracle, SQL Server and JDBC.

Rearden Commerce (then Talaris) Sunnyvale, California, October 2000 - February 2002

Rearden Commerce is a web services company targeting mobile professionals. Position as Senior Software Engineer.

- Designed, developed, tested and maintained adapter software translating partner requests and responses in various formats for a services system, using RMI, Servlets, JSP, XML, XSD, XSLT, WebLogic, CVS, JBuilder and JDK 1.3.1. Very few bugs ever found.
- Created a performance measuring framework.
- Introduced unit testing at the company and extended JUnit to be used both for unit and load testing.
- Refactored EJB and JMS code to be more efficient.

Critical Path, San Jose, California, April 1999 - October 2000

Critical Path is concentrating on the corporate messaging market. Position as Senior Software Engineer.

- Redesigned, refactored, added new features and fixed bugs in an internet based project collaboration server written in Java.JDK 1.1 and 1.2, JDBC, Oracle, SQL Server, LDAP, Symantec Cafe, JBuilder, CVS, StarTeam.
- Analysed, designed, implemented, tested, documented and provided user support for an RMI/EJB/CORBA compatible [Java API](#) to the server. Used many [XP](#) techniques, such as having a test suite and very short release cycles. JDK 1.2, JavaDoc, JBuilder Foundation, StarTeam. Very few bugs ever found.

[Henricson Technology AB](#), Stockholm, Sweden, September 1998 - April 1999

Henricson Technology AB is a family owned company. Position as Software Engineering Consultant.

- Developed a gateway in Java generating hotel booking XML requests and parsed XML responses for [Hilton](#). JDK 1.2 beta 4, Emacs, RCS, JBuilder.
- Developed a demonstration todo-list application for an [internet speech browser startup](#). HTML 4, JSP.

[Contactor AB](#), Stockholm, Sweden, April 1997 - August 1998

Contactor is a medium-sized company offering high-end consultants, mainly in object-oriented technology. Position as Software Engineering Consultant.

- Developed 3-tier ActiveX components in Visual C++, involving Oracle, Access, ODBC and ATL on Windows NT 4. The components were accessed from a [GIS application](#) written in Visual Basic, visualizing air and noise measurements, and offering environmental impact assessments.
- Developed ActiveX components in Visual C++ on Windows NT 4. The components displayed GIS maps for radio signal simulations of mobile networks.

Intact Media and Communications, Stockholm, Sweden, September 1996 - April 1997

Intact was an internet startup developing web sites and promotion games. Position as Senior Software Engineer.

- Developed software for a ruggedized PC with a credit-card reader using Netscape to offer email and Internet access. Visual C++. Also ported legacy code from Windows 3.11 to Windows 95.
- Developed a Windows 95 promotion car racing game for a major [Swedish candy manufacturer](#). Did everything except illustrations, i.e. programming, project management, testing, installation program and documentation. Visual C++ and DirectX. 13 weeks from project start to CD-ROM.

[PostNet](#), Stockholm, Sweden, February 1996 - August 1996

PostNet was the division within the Swedish Postal Service responsible for developing Internet and Intranet applications. Position as Project Leader.

- Project leader for loading of partner data to the largest [Internet shopping mall](#) in Sweden.

Ellemtel Telecom Systems Labs, Stockholm, Sweden, 1989 - 1996

Ellemtel was a large applied research lab, much like Bell Labs, owned by the [Swedish Telecom](#) and [Ericsson](#). Position as Trainee, Software Engineer and Team Manager.

- Co-wrote the public domain '[Ellemtel coding standard for C++](#)', now used at many hundreds of companies across the world.
- Reviewed several tens of thousands of lines of C++ code within the project.
- Member of a team developing an object-oriented database for a [distributed real-time object-oriented telecom operating system](#).
- Manager of the C++ support team responsible for tools, bug tracking, cross compilers, customer support, technology watch and purchase of C++ cross compilers, development environments, code libraries, and memory leak tracking tools.

Televerket Radio, Stockholm, Sweden, 1987 - 1989

Televerket Radio was the radio access division of the Swedish Telecom ([Telia](#)). Position as Software Engineer.

- Static and dynamic analysis of guyed television masts using Fortran 77 on VAX.

EDUCATION AND EXPERIENCES

Education

- [Uppsala University](#), 1983-1987. Master of Science in Engineering Physics. Major in [Scientific Computing](#).
- Certified Java Programmer in 1998.
- Certified Scrum Master (2 days) in May 2007 by the creator of Scrum, Jeff Sutherland.
- Deep Lean (1 day) in February 2008 with the “queen of lean” Mary Poppendieck.
- Test-driven Development (TDD) (3 days) by the creators of TDD, Ron Jeffries and Chet Hendrickson, June 2008.

Conferences

JavaOne (seven times), LinuxWorld (twice), The Ajax Experience, Web Services Edge, C++ World, USENIX C++, ECOOP and LOOK.

Publications

- Co-author of the book 'Industrial Strength C++, Rules and Recommendations' published in November 1996 by Prentice Hall (ISBN 0-13-120965-5). It consists of rules and recommendations for C++ programming. Now available [online](#).
- Author of the document “State of the Art in Server Side Java”, featured at TheServerSide, and now available [online](#).
- Creator and sole maintainer of the only Swedish website about Ajax (no longer in service).
- Blogs:
 - <http://www.jroller.com/page/matsh>
 - <http://blog.crisp.se/matshenricson/>

KEYWORDS

OS	Solaris, Windows (NT/2000/XP), Linux (Red Hat, Debian, Kubuntu, SUSE, Ubuntu)
Internet	REST, HTML, XHTML, XML, XSLT, XSD, WebServices, JavaScript, CSS, Applets, S5, Web 2.0
Ajax	DWR, Reverse Ajax, Script.aculo.us, Prototype, Tacos, ICEfaces, GWT, jQuery, JSON
Tools	SourceSafe, RCS, CVS, StarTeam, Perforce, ClearCase, Subversion, Jira, Ant, Maven, JBuilder, Eclipse, MyEclipse, IntelliJ, dotCMS, OpenCMS, Tomcat, WebLogic, Jetty
DB	SQL, Oracle, Access, JDBC, ODBC, MySQL, PostgreSQL, SQL Server, Sybase, DbVisualizer
OO	Design Patterns, Refactoring , API design
Java	JavaBeans, JSP, JDBC, RMI, EJB, Servlets, Castor, log4j, JUnit, HttpUnit, Hibernate/JPA, Spring, JMS, MIDP, DWR, XMLC, Tapestry, FreeMarker, Quartz, Jersey, JAXB
Other	ISO 9000, CMM, Games Programming, Programming Standards, Quality Assurance, Code Reviews, XP, Metrics, Agile Software Development, Scrum, TDD, Lean, Actors, Scala