

## Peter Sjögren, MSc



I am a friendly and sociable person, qualities I consider as important as strictly professional skills. To me the most important thing about a job is an environment which encourages continuous learning, mutual personal development and opportunities for creativity. I like to think of myself as an efficient and very professional engineer with excellent intuition for what is required to create good software solutions and products. Although I am very devoted to my work, I try not to take myself too seriously as I believe self-importance and lack of humility hamper original thought and true learning. I'm often told that I am easy to work with and I particularly thrive on situations where my enthusiasm spreads to others and fuels new solutions. I adapt quickly to new technologies and methods, and especially enjoy working with projects which require innovative thinking.

### Skills

	<b>One man commercial projects</b>	<b>Team commercial projects</b>	<b>Hobby/learning projects</b>
<b>Deep knowledge</b>	Java, C++, C, Visual Basic, OO-Design, Quality Assurance, Extreme Programming, XML/XSLT, HTML, JSP, TCP/IP, Email, WML, Server programming, Emacs, JBuilder, cvs	Java, C++, C, Visual Basic, OO-Design, Extreme Programming, XML/XSLT, HTML, LDAP, JNDI, Bugzilla, JavaScript, JSP, TCP/IP, Email, WML, JProbe, cvs, PVCS, Rational Rose	Java, C++, C, Visual Basic, OO-Design, Quality Assurance, Extreme Programming, HTML, JavaScript, JSP, TCP/IP, Email, WML, JBuilder, cvs
<b>Good knowledge</b>	JavaScript, UML, MySQL, Windows32, MFC, NT, Solaris, Linux, SOAP, Photoshop	JavaScript, UML, Database design, Oracle, Windows32, NT, Word, Excel, Solaris, Linux	MySQL, NT, Unix, SOAP, Database Design, Data Mining, Python, GA, GP, Neural Networks, Enterprise Java Beans, J2EE

### Major Achievements

- Prototyping, designing and programming of mail gateway, Advox Omnigate, for Advox AB. Sole developer of the kernel of the product and most of the server parts for many years. To date, sold to over 3000 companies.
- Sole developer of Advox WebMail - a fast, reliable and easy-to-use web based mail system for small and medium-sized companies. Operational at various companies and Internet providers such as, *Bahnhof*. Rated top 5% at the independent Java software rating institute, [www.jars.com](http://www.jars.com).

### Education

MSc, Royal Institute of Technology (KTH), Stockholm  
Electronics and Computer Science

## Experience

In a permanent capacity, I have applied my skills in an ever-changing commercial environment where I have worked in most of the roles of software development, including prototyping and system design. I have also delved deeply into the Java and C++ language and employed different development methodologies such as Extreme Programming, to produce software which meets telecom-quality standards. On many occasions I have single-handedly run my own projects from initial concept to delivered product. These projects gave me a very good understanding of creating software that meets the demands of everyday users in terms of simplicity, quality and usability.

## Personal summary

My personal interests and hobbies include: Music, Advanced A Capella Singing, Music Engineering and Production, Ju Jitsu, Badminton, Cognitive Psychology, Creative Thinking, The Concept of Evolution, Philosophy of the Mind, Genetic- and AI- programming.

- Fluent languages: Swedish, English
- Some German, Spanish
- Born in Stockholm, Sweden
- 36 years of age
- Excellent health
- Clean drivers license

One of my passions is choral music and advanced a capella singing in small specialized groups. Over the years, I have been a member of several choirs and singing groups. I am convinced that being a vocalist and musician also enhances my professional creativity. One such situation arises when trying to maintain the delicate balance taking one's own initiatives whilst still remaining sensitive to a team leader's goals and intentions.

Possibly the most satisfying aspect of being part of a large group such as a choir, is the cheer joy of seeing a that group come together and create something truly extraordinary - a performance.

Apart from my own travels, giving concerts has provided me the opportunity to visit several countries such as China, the Czech Republic, England, Finland, France, Iceland, Israel, Italy, Norway, Portugal, Russia, Spain, USA, and Wales. Being a singer has given me the opportunity to explore a multitude of languages, such as German, Italian, Latin and French.

## Contact Information

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## Detailed Profile

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### Skills

- Java - Deep knowledge of the language and the techniques it implements, especially in larger client-server and distributed systems. Good knowledge of many Java APIs and techniques.
- C++ - Good knowledge of the language. Knowledge of how to exploit/not exploit its various features to produce clean OO-software.
- C - Mother tongue.
- Visual Basic - Good knowledge of how to use this language and the environment it is used in.
- OO-Design –Highly proficient in identifying and applying design patterns and can easily transform ideas into robust maintainable software designs.
- Quality/Extreme programming - Well-developed intuition of how to make robust and qualitative software and to avoid the pitfalls.
- UML – Know a required subset of UML to fully express and understand, for my area of expertise, relevant systems and processes.
- Database Design - Familiar with how to design, implement and use databases for small and large programs and systems.
- Computer Architecture - Knowledge of what happens inside computers and why, which enables me to fully understand lower level languages such as assembler and C.
- Windows32 - Familiar with the APIs, ways of thinking, documentation and the development environment.
- NT - Good knowledge of this operating systems having used it daily for many years.
- Unix - Good knowledge of this operating systems having used it daily for many years.
- XML/XSLT - Good knowledge of how to design and use these techniques. Have programmed many products that use them.
- HTML/JavaScript - Deep knowledge of how to employ these languages. Have programmed many web based systems and sites using them.
- JSP/Java Servlets - Deep knowledge of these techniques since they are both Java. Have used them for many projects.
- SOAP – Good knowledge of how to use this technique to interface programs with remote services.
- TCP/IP - Deep knowledge of how to build internet servers with various TCP/IP protocols, such as web- and mail servers. Have built many professional commercial internet servers such as HTTP, POP3, SMTP.
- Email - Deep knowledge of all details. Have developed and implemented and email server software for many years.
- WML - Good knowledge of how to build mobile applications and how to make them device independent using XML/XSLT.
- Word/Excel/Powerpoint – Very good knowledge of these programs and the way other Microsoft programs work.
- Photoshop - Have good technical understanding of image processing and many Photoshop techniques.

## Achievements

- Prototyping, designing and programming of SMSMail product of Aspiro AB. An SMS-based mail system. Installed and operational with Proximus in Belgium ([www.proximus.be](http://www.proximus.be)).
- Sole developer of Advox WebMail, a fast, reliable and easy-to-use web based mail system for small and middle-sized companies. Operational at various companies and Internet providers such as, *Bahnhof*. Rated top 5% at the independent Java software rating institute [www.jars.com](http://www.jars.com).
- Sole developer of Java library for mail processing, CoreMail, used in a webmail system developed for LunarStorm.
- Prototyping and designing of SMS - Web gateway for Aspiro AB. Currently an Aspiro product.
- Prototyping and designing of module used to make device independent mobile applications in the Aspiro Platform. Currently in use by a large number of Aspiro customers.
- Introducing methods for professional quality assurance and version handling at Advox AB.
- Independently developed, Picard - a mail processing filter product for processing of messages. The product is self-supervising and alarms to mail, SMS etc are generated if something goes wrong. It is also configurable during runtime with a web interface. Programming language: Java 2 using Java 2D, JDBC, JSP and XML, etc. The product is now a part of Advox Omnigate and sold by Advox AB.
- Prototyping, designing and programming of mail gateway, Advox Omnigate, for Advox AB. Sole developer of the kernel of the product and most of the server parts for many years. Sold to over 3000 companies.
- Prototyping, designing and programming of many technical programs used by civil engineers for projects such as construction and design of bridges and similar applications at JADA AB.
- Analysis, designing and programming of event driven, object oriented windows framework for technical programs not unlike the first versions of Microsoft Windows before it existed. Used in many technical programs at JADA AB.
- Designed and programmed an Emacs clone for Prime Computers, which was sold to a large number of customers.
- Designed and programmed a Videotex to ANSI-terminal graphics gateway for Prime Computers which were sold to a large number of customers.

## Career Summary

- 00- **Software Developer, *Aspiro AB (acquired Advox AB)***  
Java/C++/Software Design/System Design/Prototype advisor  
Client-server systems, Mobile applications, SMS, WAP
- 02 **Research programmer, *Max Planck Institut für Plasmaphysik, Munich, Germany***  
Worked with the development of advanced data analysing, multidimensional data visualisation and data mining software. Data visualisation/Java/Python/Data mining/Neural Networks/Genetic programming.
- 97 **Contractor, *ExcoSoft AB***  
Developed a prototype for interfacing their C++ product, Documentor, with Java.
- 97 **Contractor, *Mydata Automation AB***  
Developed an optimization technique and simulation environment for mounting electrical circuits with a mounting robot.
- 96-00 **Software developer, *Advox AB***  
C/C++/Java/Software Design/System Design/Quality Assurance  
Mail gateways and messaging products.
- 91-96 **Software developer, *JADA AB***  
C/C++/Visual Basic/Software Design/System Design  
Programs and systems for technical computation and construction.  
Visual feedback and user interfaces.
- 87 **Contractor, *Unit of Technical Audiology, Karolinska Institutet***  
Developed a control and visualisation program for an audio/hearing experiment.  
Pascal/Hardware programming.
- 84-86 **Software Developer, *Handelsbanken, Stockholm***  
Worked with their Videotex information system. COBOL.
- 79-84 **Part Time Software Developer, *Prime Computer, Stockholm***  
Developed telex - email gateway, videotex - ANSI graphics terminal gateway and a fast Emacs clone. All products were later sold by Prime Computer to many customers.

**Education**

- 87-81 MSc, Royal Institute of Technology (KTH), Stockholm  
Electronics and Computer Science
- 86-87 National Service: Swedish Army, Second Lieutenant
- 75-84 Adolf Fredrik School of Music, Stockholm