

## CV

Tomas Svensson  
Richard-Strauss-Straße 28  
D - 81677 München  
Germany

Mobile: +49 – (0) 1522 / 92 77 942  
E-mail: [info@tomas-svensson.de](mailto:info@tomas-svensson.de)  
Web: [www.tomas-svensson.de](http://www.tomas-svensson.de)  
Born October 1, 1975  
Nationality: Swedish

### Languages

- German (fluent)
- English (fluent)
- Swedish (mother tongue)
- Danish, Norwegian (can communicate fluently with native speakers)
- French (basic)



### School and University Degrees

- Bachelor of Social Sciences in Economics 1998, Lund University, Sweden
- Master of Science in Engineering Physics 1999 with focus on computer science, Lund University, Sweden
- Bachelor of Science in Business Administration 2000, Lund University, Sweden

### Further University Courses

- Innovation and Entrepreneurship, 4 weeks, Lund University
- International Marketing and Purchasing, 3 weeks, Lund University
- English: Oral Proficiency, 2 weeks, Lund University
- English: Phonetics, 2 weeks, Lund University
- Medicine for Engineers, 4 weeks, Lund University
- Introduction to Economic History, 10 weeks, Lund University
- Theoretical Philosophy, 5 weeks, Lund University
- Social Psychology, 5 weeks, Lund University
- All required master level courses in Business Administration except for the master thesis
- All required master level courses in Economics except for the master thesis

### IT Experience

Professional full-time experience since 1999 and part-time since 1995; software development since 1984 in parallel with school and studies (Pascal, Basic, Assembler)

### IT Knowledge

### Main Fields of Activity

- Project management

- Product management
- Software design, development, verification/test

### **Main Fields of Experience**

- Object oriented methods
- Distributed systems
- Embedded

### **Operating Systems**

- Windows XP, Vista, 2000, NT, 98
- Unix (Linux, Sun Solaris, Cygwin)
- Symbian (UIQ, Symbian Series 60)
- Windows Mobile, WinCE, Pocket PC

### **Programming Languages**

- C, C++, C# .NET
- Scripting languages (Perl, Sh/Bash/Zsh)
- ASP.NET 2.0, JavaScript, PHP
- VB.NET, Visual Basic 6, Basic
- Delphi, Turbo Pascal, Pascal
- Assembler (680x0, 80x86)
- PLC, Siemens S7: only verification of code

### **Databases**

- Microsoft SQL-Server
- MySQL
- PostgreSQL
- Oracle: limited experience

### **Products, Standards, Methods, Tools**

- Project management: Agile/Scrum, Critical Chain, PROPS
- OOA, OOD, OOAD, UML, HTML, XML
- TCP/IP, UDP, RS232
- MS Word, Excel, Powerpoint, Outlook, Project, LaTeX, Maple, Mathematica, Matlab
- Visual Studio 2008/2005, gcc, Eclipse
- IBM Rational ClearCase, Subversion (SVN), CVS
- Security, encryption, certificates, DRM, RSA, OpenSSL, PKI
- Safety standards CENELEC SIL-2
- STL, MFC, ATL, .NET
- Apache

### **Standards of Communication**

- SMS, MMS, GSM, UMTS/WCDMA
- RS232, TCP/IP, UDP
- SMTP, UUCP, Windows networking, Winsock

## Industries

- GPS-Navigation / GIS / Cellular / Automotive supplier / IT / Internet
- Cellular phone manufacturer / Telecommunications
- Railroad control
- Financial services / Banking / Internet
- Film industry

## Highlights

- three university degrees
- three years of project management
- eight years of software development with focus on C / C++ / C# .NET / Perl
- efficient, flexible, and goal and result oriented
- 10 years of professional experience
- before that 13 years of software development in parallel with school and studies
- a more than one year long attendance at a German high school in Germany
- a four month stay in the US
- member of Mensa

## Projects

Freelancer since 2006

### 2008 – 2009

Customer: Film industry

Period: 3 Months part-time, ongoing

Project: Improvement of the website, search engine, film cutting functionality, back-office, partner website branding, SEO search engine optimization

Consulting and development

Operating systems: Windows Vista, Mac OSX

Programming languages: PHP, Perl, Sh-script

Tools: mySql, PhpMyAdmin, Eclipse, Perl

### 2008 – 2009

Customer: Financial services / Banking

Period: 8 Months part-time, ongoing

Project: Development of front- and back-office functionality of a newly started financial services company

Operating systems: Windows XP, Windows Vista

Programming languages: C# .NET, ASP.NET, MS SQL, JavaScript, Perl

Tools: Visual Studio, iText, PDF, Firebug, Web services, XML, HTML

### 2008

Customer: Railroad control

Period: 8 Months part-time

Project: Safety verification of a railroad control system

Verification of whether or not the design, software implementation and test plan corresponds to each other and to themselves as well as verification of safety and completeness.

Tools: PLC Siemens S7, CENELEC SIL-2 safety standard, predicate logic, Perl, C# .NET, Dia, Mind map, Cygwin, and a custom made LISP-inspired language

## **2007**

Customer: Railroad control

Period: 3 Months

Project: Analysis, design and implementation of a partly automated test tool for testing of functionality and safety, and for finding errors in the monitoring and user interface systems of a railroad control system. During the development I also actually identified and fixed a number of errors in the system at an early stage.

Tools: C# .NET, Perl, VB.NET/Visual Basic 6, PLC Siemens S7, CENELEC SIL-2 safety standard, Perl, Cygwin, GE Fanuc iFix View/Scada, UML

## **2006 – 2007**

Customer: Mobile phone manufacturer, Telecommunications

Period: 10 Months

Project: Project manager and sub-project manager

Leader of a small team with 3 – 6 team members. Planning, development, integration and delivery of software; specification of requirements in close cooperation with the customer. Planning and rollout on four continents as well as remote administration of security servers critical to the production of mobile phones. Preparations for a conversion to Oracle.

Drafting and development of several monitoring scripts in Perl with the help of which several potentially very expensive and annoying production stops in the factories were avoided.

Product management techniques: PROPS, Critical chain, MS Project, MS Visio

Tools: C / C++, SVN (Subversion), Clear-Case, Perl, Linux, MySQL, Windows XP/Vista, OpenSSL, DRM Digital rights management, PKI Public key infrastructure, Certificates, Encryption, UML

## **2006**

Customer: Railroad control

Period: 1 Month

Project: Safety verification of a railway shunting control system

Verification of fail-safe and non-fail-safe PLC-code using specifications, guidelines, common sense and through the draft and development of an assisting verification tool in Perl. The verification was required for a fail-safe railway shunting station (points, signals etc) in Denmark that was classified by the fail-safety standard CENELEC to level SIL2.

Tools: CENELEC SIL-2 safety standard, Perl, Cygwin

### **1999 – 2006**

Customer: Mobile-phone GPS-Navigation system developer / Telecommunications service provider / Automotive supplier  
Period: eight years as an employee

About two years as a product manager and project manager

The project was to adapt the GPS navigation system to the Windows Mobile platform (Windows CE / Pocket PC) and to launch it through distributors, online, mobile phone manufacturers and mobile phone carriers. The product was the navigation system on Windows Mobile phones. The team consisted of 7-9 team members, partly outsourced/off-shored. The product was adapted and rebranded to fit the needs of individual mobile phone carriers. It was also translated to more than 10 languages.

Methods used: Agile/Scrum, MS Project, IBM Rational ClearQuest

About six years as a software developer on the client and server sides of our client-server system, mainly in C/C++/Perl/Delphi under the operating systems Windows/Linux/Symbian/Nokia Series 60/WinCE/Windows Mobile.

Tasks included:

- a search engine in the server
- a navigation service including a user interface via SMS
- a Windows GUI application for a few number inquiry call centers that also wanted to provide navigation and route guidance services
- a Pocket PC GPS-navigation client
- the SMS and MMS-functionality of a Symbian navigation client
- automated test tool for regression testing and load testing
- automated system for daily builds
- performance and stability improvements throughout the system
- supporting external companies that wanted to use our XML-API

Methods used: C/C++, Perl/Zsh/Sh/Bash, Java, PHP, Delphi/Pascal, Linux, Symbian/Nokia Series 60, Windows 98/NT/2000/XP/Windows CE/Mobile/Pocket PC, Visual Studio, Emacs/gcc, OOA/OOD/OOAD, LaTeX, MFC, UML

Additional tasks included evaluation of patents and patent applications filed by competitors, a competitor watch / market intelligence service, representative at the Cebit fair, technical sales support

### **1995 – 1997**

Customer: Department of Computer Science at Lund University, Sweden  
Period: Three years part-time in parallel with my university studies

Tutor in several programming courses for Master-of-Science-in-Engineering students.

### **Further Information**

- **2006 – 12/2007:** Jujitsu instructor for children and adults

- **9/1999 – 12/2001 and 2004 – 2007:** alternatingly member of the board, deputy member of the board, and accountant in three different sports associations
- **8/1989 – 10/1990:** Quirinus-Gymnasium high school in Neuss by Düsseldorf, Germany
- **1988:** four months in Texas, USA with my parents
- **1994 –:** besides work I enjoy trading stocks and securities. I wrote two of my theses about securities and the stock market.

References are available on request.

München, February 4, 2009

Tomas Svensson