

RESUME OF

LARS ÅKE MÅRTENSSON

## PERSONAL DATA



- Nationality: Swedish
- Sex: Male
- Date of birth: 17th of June 1963 Östersund/SWEDEN
- Family situation: Wife and two children (born 1994 & 2007)
- Address: Im Bachgrund 41  
40667 Meerbusch  
Germany
- Phone: +49 (0)211-240 920 68
- Cellular phone: +49 (0)172-252 11 47
- Fax: +49 (0)211-240 920 69
- E-mail: Lars.Ake@Martensson-Tech.de

## PROFESSIONAL EXPERIENCE

**Januar 2010 – Present**

**Self-employed  
Meerbusch  
GERMANY**

*Automation engineer, program developer and service technician*

- Service engineer in middle Europe for a Swedish company working with measurements and automation in the sawmill industry.
- Service engineer in middle Europe for a Swedish manufacturer of laser based measurement systems used in sawmills, board manufacturing and steel production.
- Service engineer in middle Europa for a Swedish manufacturer of measurement system for strength grading in the sawmill industry.
- Service engineer in middle Europa for a Swedish manufacturer of measurement system for automatic quality grading in the sawmill industry.
- Engineering, configuration and programming, commissioning in the sawmill industry using Simatic S7 PLCs, Failsafe systems, Profibus, Profinet, WinCC Flexible Advanced, Frequency drives (from Schneider, Vacon and Danfoss) and many more components.
- Smaller programs for PC written in C.
- Programming and commissioning of:
  - SattControl 200 PLCs.
  - Melsec FX.
- Development of standard library in S7 to get high quality at reasonable costs in my projects.
- Technical translations between German and Swedish.
- Assignments in Germany, Austria, Switzerland, Italy, Belgium, Netherlands, France, Spain, UK, Check Republic, Poland, Romania, Hungary, Bulgaria, Saudi Arabia, Norway and Sweden.

**July 2007 – December 2009**

**Limab GmbH  
Åkersberga/Meerbusch (home office)  
SWEDEN/GERMANY**

*Automation engineer, program developer and service technician*

- Service engineer in middle Europe for a Swedish company working with measurements and automation in the sawmill industry.
- Service engineer in middle Europe for a Swedish manufacturer of laser based measurement systems used in sawmills, board manufacturing and steel production.
- Service engineer in middle Europa for a Swedish manufacturer of measurement system for strength grading in the sawmill industry.
- Engineering, configuration and programming, commissioning in the sawmill industry using Simatic S7 PLCs, Failsafe systems, Profibus, Profinet, WinCC Flexible Advanced, Frequency drives (from Schneider and Vacon) and many more components.
- Smaller programs for PC written in C.
- Programming and commissioning of:
  - SattControl 125 and 200 PLCs.
  - Melsec FX PLCs.
- Development of standard library in S7 to get high quality at reasonable costs in my projects.
- Assignments in Germany, Austria, Switzerland, Italy, Belgium, Netherlands, France, Spain, UK, Check Republic, Poland, Finland, Norway and Sweden.

**July 2002 – Juni 2007**

**Self-employed  
Meerbusch  
GERMANY**

*Automation engineer, program developer and service technician*

- Service engineer in middle Europe for a Swedish company working with measurements and automation in the sawmill industry.
- Service engineer in Germany for a Swedish manufacturer of pallet machinery.
- Service engineer in middle Europe for a Swedish manufacturer of laser based measurement systems used in sawmills, board manufacturing and steel production.
- Service engineer in middle Europa for a Swedish manufacturer of measurement system for strength grading in the sawmill industry.
- Engineering, configuration and programming, commissioning in the sawmill industry using Simatic S7 PLCs, Failsafe systems, Profibus, Profinet, WinCC Flexible Advanced, Frequency drives (from Schneider, Vacon and SEW) and many more components.
- Smaller programs for PC written in C.
- Programming and commissioning of:
  - Modicon PL-7 PLCs and Modicon XBT-terminals.
  - SattControl 15, 125 and 200 PLCs.
  - Melsec FX and A PLCs.
- Development of standard library in S7 to get high quality at reasonable costs in my projects.

- Electrical construction and commissioning of personal safety equipment in machine lines.
- Technical translations between German and Swedish.
- Assignments in Germany, Austria, Switzerland, Italy, Belgium, Netherlands, France, Spain, UK, Slovakia, Check Republic, Poland, Finland, Norway and Sweden.

**November 2001 – July 2002**

**is Industrial Services AG  
Colonge (Köln)  
GERMANY**

*Automation engineer*

- Engineering, configuration, programming and commissioning of Simatic S7 PLCs, Profibus and operator panels.
- Service assignments of delivered systems.
- Assignments in Germany, Bulgaria and Poland.

**November 2000 – September 2001**

**AU-System AB  
Östersund  
SWEDEN**

*Software developer*

- Develop software around and within Bluetooth technology.
- Technical documentation in English
- Programming languages and techniques: C, C++, MFC (Microsoft foundation classes), API and COM/DCOM.
- Software: Microsoft VisualStudio 6.0 Enterprise, Microsoft Word and Microsoft PowerPoint
- Computer platforms: PC Intel Pentium III Windows 98/NT/2000
- Education “Bluetooth Academy” (Ericsson/Sigma)

**November 1991 – October 2000**

**Pronyx Wood AB  
Östersund  
SWEDEN**

*Program developer and automation engineer*

- Developed a function library for Simatic S5 covering log handling machines at sawmills
- Developed techniques for sorting logs and other objects in both Simatic S5 and S7
- Wrote a number of programs for different PLCs in various industry
- Developed graphical user interfaces in Microsoft VisualBasic
- Start up and tuning of systems on site (Sweden, Norway, Belgium, Germany, Scotland, Russia)
- PLC hardware: Simatic S5, Simatic S7, SattControl, Modicon, Melsec and Allen Bradley, Operator panels Simatic OP5-17, Profibus components from Siemens
- PLC programming tools: IBH Softtec S5 for windows, Simatic STEP7, Simatic Protocol, Modicon PL-7, Melsec Medoc, Sattcontrol DOX5 and Allen Bradley APS
- Other hardware: Frequency inverters (ABB, Telemecanique), photocells, sensors, laser-equipped distance measuring devices and beam arrays.

- Programming languages and techniques: C and Microsoft VisualBasic
- Software: AutoCad, Microsoft Word, Microsoft Excel, Microsoft Access, Ashton Tate Framework and Dbase
- Computer platforms: PC Intel 80386 DOS – PC Intel Pentium II Windows 98
- 1 week education “Project manager” (Samkonsult)
- Main PLC resource at the office

**February 1986 – April 1991**

**Relä-Control AB  
Östersund  
SWEDEN**

*Program developer and automation engineer*

- Developed an application for AutoCAD
- Wrote a number of programs for different PLCs in various industry
- Start up and tuning of systems on site (Sweden, Norway)
- PLC hardware: Simatic S5, SattControl, Modicon and Melsec
- PLC programming tools: Simatic STEP5, Melsec Medoc and Sattcontrol DOX5
- Other hardware: Frequency inverters (ABB, Telemecanique), photocells, sensors and laser-equipped distance measuring devices
- Programming languages and techniques: Basic (DOS environment), C (DOS environment), Borland Turbo Pascal, AutoLisp (AutoCAD), AutoCAD scripts and AutoCAD menu scripts
- Software: AutoCad, Ashton Tate Framework and Dbase
- Computer platforms: PC Intel 8088/8087 – PC Intel 80386 DOS
- Main PLC resource in the company

**June 1985 – January 1986**

**Länsstyrelsen Jämtland  
Östersund  
SWEDEN**

*Technology introducer*

- Länsstyrelsen is the local government, The goal with my work was to get new technology into the companies in the region
- Started to develop an AutoCAD application at a company called Relä-Control AB (This company became much later Pronyx Wood AB)
- Programming languages: AutoCAD Scripts, AutoCAD Menu scripts and Basic in DOS environment
- Software: AutoCAD, Ashton-Tate Framework
- Computer platforms: PC Intel 8088/8087 with DOS
- 1 week seminar in CAD/CAM at NTH (The Norwegian technical university)

**July 1982 – Mars 1983**

**Radiofirma Telo  
Östersund  
SWEDEN**

*TV repairs*

- Work with repairing TVs, radios, etc.

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CERTIFICATIONS

- “Bluetooth Academy”, Ericsson, Sigma/Sweden, 1 week 2000
- “Project manager”, Samkonsult/Sweden, 1 week 1999

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EDUCATION

**January 1985 – June 1985**

**Wargentinskolan  
Östersund  
SWEDEN**

*CAD/CAM (Upper secondary school)*

- Software: AutoCAD, Varkon
- Computer platforms: PC Intel 8088, Norsk Data (Minicomputer)
- Average grade: 5 (on a 1 to 5 scale where 5 is excellent)

**August 1984 – December 1984**

**Wargentinskolan  
Östersund  
SWEDEN**

*Micro computer technology (Upper secondary school)*

- Software: Wordstar
- Programming language: Basic and Pascal
- Computer platforms: PC Intel 8088 and single card computers
- Average grade: 5 (on a 1 to 5 scale where 5 is excellent)

**August 1981 – June 1982**

**Wargentinskolan  
Östersund  
SWEDEN**

*Electronic communication systems (Upper secondary school)*

- Goal: Repair TV, Radio and stereo equipment
- Average grade: 4 (on a 1 to 5 scale where 5 is excellent)

**August 1979 – June 1981**

**Hjalmar Strömmerskolan  
Strömsund  
SWEDEN**

*El/Tele repair (Upper secondary school)*

- Goal: Give the basics in electronics
- Average grade: 4 (on a 1 to 5 scale where 5 is excellent)

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**LANGUAGE**

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Language	Understand	Speak	Read	Write
Swedish	*****	*****	*****	*****
English	****	****	*****	****
German	****	****	*****	***

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**CIVIL SERVICE**

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Military service at F4 (Swedish Air force) April 1983 – Mars 1984

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**HOBBIES**

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Downhill skiing, Bicycling, in-line skating, Computers, Photo