



Thomas Bredhammar

Curriculum Vitae

Thomas Bredhammar is an experienced software developer with deep knowledge of both C and C++ programming with a number of different operating systems, with a special focus interest in Linux and Android.

Thomas also has vast knowledge about the Bluetooth wireless technology, from a number of aspects.

He has been working with software development since 1997 and he always enjoys challenges with new technologies. He is a focused developer and problem solver who bring in all his experience, knowledge and enthusiasm into his engagements. He is comfortable with working in large development teams as well as working on his own in one-man assignments.

In his spare time, one of Thomas interests is to travel with his wife and two daughters.

Education

Degree from Technical Institute

Bachelor of Science in Electrical Engineering, Halmstad 1994-1997
University, Sweden

Specialization in Product Development of Electronic
Products.

Courses

- . Rhapsody, Nohau (2 days) 2007
- . Applied project work, Wenell (3 days) 2005
- . RUP overview, Sony Ericsson (2 days) 2003
- . Symbian OS introduction, Tieto Enator (3 days) 2003
- . Bluetooth overview, Ericsson (3 days) 2002
- . Advanced Java, Informator (4 days) 2000
- . Java, Learning Tree (4 days) 2000
- . OSE Delta, Enea Data (3 days) 1999
- . Design Patterns, Init (2 days) 1999
- . C++, Learning Tree (5 days) 1999
- . TCP/IP Ericsson (3 days) 1998
- . AXE 10 Ericsson (3 days) 1997
- . Telecommunication Ericsson (5 days) 1997

Upper Secondary School

Erik Dahlbergsgymnasiet, Jönköping, Sweden 1989-1993
Specialization in Electrical and Telecommunications
Technology.

Employment

- Own company, Bredhammar Consulting AB 2011-
- Cybercom Sweden West AB, consultant 2006-2011
- Sony Ericsson Mobile Communications, team lead, software designer 2001- 2006
- Ericsson Telecom AB, software designer 1997- 2001

Professional Experience

Connectivity development, VSM Group 2014-2015

Development of an embedded Linux based platform.

- . This product is a top of the line sew machine with high quality.
- . Implementation in C++ and Rhapsody.
- . Scripting with ruby, bash and python in buildroot.
- . Build process implementation via Jenkins, mercurial and git.
- . Scrum based development.

Test automation, Kapsch 2013

Test automation of a Linux based transponder.

- . Implementation test in TTCN framework used to control and report tests.
- . Implementation test application in Linux to secure automatic regression test
- . Implement test application in Android to be controlled by TTCN.
- . Manual testing of product.
- . Field test Android application to be used to evaluate the 5.9 GHz radio link, for example presentation of several transponders in Google maps.

Linux development, SAAB Training 2011-2013

Application development of a Linux based SDR (software defined radio)

- . This product handles radio communication towards SAAB own infrastructure for soldier training.
- . Implementation in C/C++ in Linux environment and C in DSP.
- . A lot of troubleshooting and analyze were done due to secure hard real time requirements.
- . Test software implementation in QT C++ to be used for controlling this product.
- . Scrum based development

Android development, Lansen 2011

Remote control of home alarm from Android application. The app also is able to receive alarm and alert in case of an alarm. Published by customer
<https://play.google.com/store/apps/details?id=com.bredhammarconsulting.alarm>

- . Implementation in Java.

Linux and Android development, Kapsch 2010-2011

Implementation of a demo application connected via Bluetooth to a transponder. Implementation of applications in Linux based transponder.

- . Module design.
- . Protocol design.
- . Implementation in Java and C.
- . Test.
- . UI.
- . Scrum based development.

Android development, Sony Ericsson 2009-2010

Design and implement a standalone application.

Application consists of Bluetooth, plug-in framework, collect internal data from messaging, call log etc, collect external data from social networks, RSS etc. Info is exchanged with a protocol to and from a Bluetooth accessory.

- . Module design.
- . Protocol design.
- . Implementation in Java.
- . Handling of text and images via protocol.
- . Test.
- . UI.

Development blueGO system 2008-2009

This system is Cybercom's next generation Bluetooth platform. The system is portable to several hw/sw platforms.

- . System design.
- . Module design.
- . Implementation in C.
- . Test.
- . Mentorship.

Profile Development T2BF 2008

This system is Cybercom's first Bluetooth platform for the car industry.

- . Audio profiles (A2DP and AVRCP).
- . Implementation in C.
- . Bluetooth qualification.

Symbian Series60 GPS manager application 2007

The application routes Bluetooth SPP GPS data into a tcp socket further to a MIDP application developed by customer. Control messages from MIDP were also via tcp. GPS manager started automatic when phone starts. Manager also controlled the backlight. Manager was delivered as .sis file.

Siemens Home and Office Communications 2007

This system consists of one base station and several communicators. The idea was to adapt Bluetooth instead of DECT.

- . Introduced eclipse IDE (open source environment) to speed up development.
- . Porting T2BF (Bluetooth) platform to Windows.
- . Development of UI in LabWindows.
- . Development of use cases for this project.

Sony Ericsson Mobile Communications AB, Kista, Sweden 2001-2006

- . Software designer, developing (C++) Symbian OS products (P800, P900, P910, M600, P990, W950).
- . Key responsibilities in Bluetooth area.
- . Team leader.
- . Close cooperation with Symbian, UIQ, Requirement and SEMC accessories teams.

Ericsson Telecom AB, Älvsjö, Sweden 1997-2001

- . Software designer, developing (Java) IP-Telephony system products.
- . Maintenance coding (C++) of the VoiceGateway product in the IP-Telephony system.
- . Technical system engineer, settings up an IP-Telephony network at customer site and supporting them.
- . Test and verification engineer, function, integration and system tests on the IP-Telephony system.

Specific Knowledge

	<i>Can teach (4)</i>	<i>Vast experience (3)</i>	<i>Experienced (2)</i>	<i>Some experience (1)</i>
Management			Team lead (2)	
Project		Embedded devices (3)	Consumer products (2)	Telecommunication (3)
		Interoperability (3)		Automotive (3)
				Mobility (2)
SW-methods		RUP (2)		Scrum(2)
Operating Systems		Windows (3)		Linux (2)
		Android (3)		
RTOS		Symbian OS (4)		OSE (1)
High Level Languages		C++ (4)		C (4)
		Java (4)		
Communication		TCP/IP (3)		Bluetooth (4)
Tools		Visual Studio (3)		Rational suite (3)
		Codewarrior (3)		Eclipse (4)
		LabWindows (2)		FTS (3)
		Visual Studio (3)		Subversion (4)
		Mantis (3)		GIT(2)
		TFS(3)		Jenkins(2)
		Polarion(2)		
Adm. Tools		MS Word (3)		MS Excel (3)
		MS PowerPoint (2)		
Other skills		New technology curiosity (4)		Adapt open source tools into projects (3)

Miscellaneous

Languages

The skill is graded as fluent/good/basic knowledge

- . Swedish (Mother Tongue)
- . English (Fluent)

Driving Licenses

- . AB

Personal Interests

- . Travel with friends and family
- . Experiment with computers and gadgets
- . Running
- . MTB