

# 1 Contact

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# 2 Education

- 2008, Master thesis "Hardware accelerated bi-cubic scaling", Ericsson Mobile Platforms, Lund.
- 2003-2010, Master of Science in Computer Science, Lunds University, Lund.
- 1999-2002, Natural science programme, Elof Lindälvs gymnasium, Kungsbacka.

# 3 Experiences

## Embedded software engineer

2014-ongoing, HMS Industrial Networks, Mölndal, Sweden.

- HMS Linux distribution architect & tech lead (based on OpenEmbedded/Yocto). Maintenance and development of low-level components (board-support packages, buildsystem, toolchains).

2011-2014, HMS Industrial Networks, Mölndal, Sweden.

- Bare-metal embedded programming, fieldbus protocol implementation, product development at the HMS office in Mölndal.

## Embedded software engineer

2008-2011, Axis Communications, Lund, Sweden.

- Linux device driver development, board bring-up, SoC verification and prototyping within the Axis product platform group.

## Warehouse worker

Summer of 2007, Volvo Car Corporation Customer Service, Gothenburg, Sweden.

- Vehicle off Road (VOR), high-priority delivery of spare parts for stranded vehicles.

## Software engineer

Summer of 2004, Ericsson, Gothenburg, Sweden.

- Development of a localization tool for the front desk reception to locate employees and vacant offices for arriving guests and consultants.

## **Web developer**

2003, Replayers.com, Vallda, Sweden

- Developer and co-founder of Replayers.com, a Warcraft III gaming community for sharing replays (recorded matches).
- Server admin (webservers, file servers and load balanced databases)
- Approx. 16000 unique visitors per day.
- Site was sold in 2004, and it is still an active community.

## **4 Professional qualifications**

- Embedded development on architectures such as MIPS, ARM, CRIS and AVR.
- Linux kernel development, device drivers (net, audio, gpio and video) and core functionality.
- Linux buildsystems (OpenEmbedded/Yocto, buildroot).
- Red Hat enterprise courses: Linux Internals and Linux Device Drivers.
- Web development, AJAX (jQuery). Experience with PHP and other webscripts for dynamic content.
- Databases, design and optimization. Primarily against MySQL servers and SQLite databases.
- Software- and hardware-debugging using standard tools. Used to working in an environment which heavily integrates logic analyzers, oscilloscopes and JTAGs in workflow.
- Experience from working with programming methodologies such as Extreme Programming (XP) and agile software development using Scrum.
- Basic knowledge in FPGA development using System Verilog and chip-prototyping using gate arrays.
- Knowledge in audio codecs, ALSA (ASoC) and Gstreamer framework.
- Experiences from working with video streaming, including sensor integration, video processing and compression.
- Knowledge in industrial communication protocols. DeviceNet, CAN, EtherNet/IP, and other fieldbus technologies.

## **5 Relevant information**

- Inventor of patent Arrangement for bicubic interpolation (WO2009098129A1). See <http://patents.google.com> for details.
- Driver's license, Class B for vehicles up to 3.5 tonnes.
- Truck driver's license (TLP-2B), certified by Volvo Car Corporation.
- Certified paraglider pilot (soaring, towing, thermal and alps flying). Competition and tandem license.
- Received first prize in Softhouse Innovation Awards 2007 for an innovative calorietracker mobile application.
- Received first prize in Epsilon programming challenge, where the objective was to implement a robot simulator with emphasis on robust, testable and re-usable code.

## **Languages**

- Swedish (mother tongue)
- English (fluent in both written and spoken form)

## **6 Interests**

- Paragliding.
- Electronics and programming.
- Exercise, I enjoy running and group workouts.