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## CURRICULUM VITAE

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### WORK EXPERIENCE

#### **NOVEMBER 2013 (Current) - Webdeveloper at Telia (consultant assignment via Knowit)**

This is my first consultant assignment for Knowit which is it TeliaSonera, one of the largest Swedish companies in the telecom industry.

During my time at TeliaSonera I have participated in three different projects. My main area of work have been frontend development, everything from design and markup (HTML5, CSS3, Freemarker) to CMS management (Magnolia) and presentation logic (requirejs, Angular, jQuery etc). I have also worked on the backend side, a layer of Java services which is between the client side and the support systems further down stack.

#### **2012 - 2013: Software developer at Cochlear Bone Anchored Solutions**

My work on Cochlear has been with the software development team on a project of developing an application, Fitting software, meant to be used in clinics by audiologists on patients together with Cochlears hearing aid products in order to calibrate the device to the patients needs.

I have worked a lot on the front-end side of the application, as an entirely new design had been suggested and confirmed that needed to be implemented. At my first my main focus was on front-end but further into the employment I also started to become involved in many other aspects as well such as performance improvement, testing, translation handling, user behavior analytics, modifications of old features and implementation of new features, writing unit tests etc. The main programming language used was C# in combination with the .NET framework Windows Forms, together with lots of third party frameworks.

#### **2012: Bachelors thesis at ESAB**

I did my bachelors thesis together with another student from my class on the company ESAB who produces industrial welding robots. The main task of the thesis was to investigate whether and how it was possible to listen to and dissect the data communication between different devices within a welding system (main controller, robotic arm, wire feeder etc) and if so develop a tool for the this purpose. The tool would be used for diagnosis by technicians in the field.

The data traffic could be sent using two different technologies, Ethernet networking and CAN-nodes. To analyze the ethernet data we created a dissector, a sort of plugin, for the open source network analyzer tool Wireshark. The dissector would contain information about the specific protocol used and could then in turn allow Wireshark to not only catch these packages but dissect the binary structure and present flags and values to the user, using the already existing Wireshark user interface. The dissector was written in C.

To analyze the CAN data we used a CAN-to-USB adapter by the brand IXXAT and worked with their driver to create an application that could be used with the adapter to start a session, read the traffic and present to the user which flags was active at what time and so on. It also had the capability of drawing charts and saving log files. This application was written in C# using the Windows Forms framework.

The full final report can be found here:

<http://publications.lib.chalmers.se/records/fulltext/168229/168229.pdf>

**2010: Janitor / Technician – Scandic Hotels**

**2008: Telemarketer – Parvus**

**2008: Telemarketer – Provoice**

**2008: Telemarketer – Uniflex Bemmaning**

## **EDUCATION**

2009 – 2012: Computer science / software development 180p,  
Chalmers University of Technology, Gothenburg

[www.chalmers.se](http://www.chalmers.se)

Grades can be sent on request.

2009 – 2009 (VT): Technical introductory course 30p,  
Chalmers University of Technology, Gothenburg

[www.chalmers.se](http://www.chalmers.se)

Grades can be sent on request.

2005 – 2008: Naturvetenskapliga programmet,  
Katrinelundsgymnasiet, Gothenburg

[www.katrinelund.educ.goteborg.se](http://www.katrinelund.educ.goteborg.se)

Grades can be sent on request.

## **REFERENCES**

Peter Andersson, Software Manager  
Cochlear Bone Anchored Solutions  
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[pandersson@cochlear.com](mailto:pandersson@cochlear.com)

Patric Hed, Global Robots Manager  
ESAB  
Tel: 0704 73 94 32  
[patric.hed@esab.se](mailto:patric.hed@esab.se)

More references can be sent upon request.

## **LANGUAGES**

Swedish - Native tongue  
English – Fluent  
Spanish – Decent

## **COMPUTER KNOWLEDGE**

### **Programming languages**

- C# (Experience with Windows Forms and WPF frameworks)
- Java (Android SDK, Swing, AWT, Maven, Mockito)
- C
- Visual Basic

### **Web development**

- HTML5
- CSS3 (less, Bootstrap)
- php
- Javascript (jQuery, requirejs, AngularJS, Photoswipe, Chart.js)
- JSP
- AJAX
- JSON
- Apache
- Grunt
- npm
- Magnolia

### **Databases**

- MySQL

### **Version handling**

- TFS
- Git
- SVN
- Mercurial

### **IDE's**

- Visual Studio 2013
- Eclipse
- Sublime Text 3

### **Agile work methods**

- Scrum
- Kanban

### **Other systems and frameworks**

- Windows store app SDK
- Photoshop CS5
- Sony Vegas Pro 12
- Jira
- Linux / Ubuntu
- Jenkins
- MS Office

## OTHER PROJECTS

To check out other projects I have worked on on the side I recommend you visit my portfolio ([www.martinsonesson.se](http://www.martinsonesson.se)) and browse for yourself.

You may also check my [Github account](#).

You may also read [my blog](#).