

## Curriculum Vitae

### Generally:

Name: Ivar Nilsson  
Address: Tallgatan 14  
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Phone: 0709/64 51 09  
E-mail: ivar@och.nu  
Birth: 24 December 1964  
Nationality: Swedish  
Marital status: Single

### Education:

2011: Blekinge Institute of Technology  
*Databases och object oriented programming in PHP*  
2006: Jönköping University  
*Various courses in e.g. database management*  
1996: University of Skövde  
*General university degree*  
Autumn 1995: University of Skövde  
*Programming language C++*  
1989-1991: University of Skövde  
*Data och Electronics*

### Relevant work experience:

Autumn 2021 – Summer 2024:

*B3 Reach Consulting*

Consult in software and development for embedded systems.

Among other things:

- **Peltor**: Refactoring of software in Peltors hearing protections.
- **Saab Training System**: Support with 3PP analyser, test code for generic i2c-drivers, stimuli for generate and test virtual projectiles.
- **GreenWorks**: Linux-knowledge and Yocto distribution.

Autumn 2013 – Autumn 2021:

*Saab Avionics*

Test och development of low level drivers for Jas Gripen.

Autumn 2008 – Spring 2013:

*Cybercom Sweden West AB*

Consult in software and development for embedded systems.

Among other things:

- **Saab Training System**: Simulator software for RB57.
- **Saab Avionics**: Test och development of low-level drivers for Jas Gripen.
- **ACG-pulse** i Borås: Maintenance of C++ code for clothes dispensing machines, and a RFID application for Borås textile museum.
- **BAE** i Karlskoga: Linux-drivers for controllers used in artillery.
- **SOME/IP**: Communication stack for a car manufacturer in UK.
- **ITAB**: Gate controller for shops and Linux support.
- **Kongsberg**: Software for gear lever in cars.

Spring 1997 – Autumn 2008:

*Kapch TrafficCom AB*

Software engineer and system development.

Among other things::

- **Transponder-personalisations** and software to create them based on template files and smart cards with encrypted keys.
- **Lessons in DSRC-communication** for TrafficComs customers, locally and abroad (France och Spain).
- **Productions and test-software** for manufacturing of transponders and transceivers.
- **Controller** for DSRC-communication och control in a Single Lane systems.

## Work interest:

I want to work with:

- **System** och **software development** within real-time and embedded systems.
- Networks programming and applications design in one or another form.
- Administration of **linux/Unix-system** and **network**.

I have very good experience in software design, implementation and programming of system and applications for **Windows** and **Linux** environments.

Among other things:

- Object oriented design.
- System work regarding productions equipment and development software, as well as implementation of the same.
- Network** communication och control of systems through **TCP/IP**.
- Embedded Linux** for stand-alone and network-controlled system.
- Programming and handling of **Smart Card** for secure handling of secret keys.
- Lexx** and **Yacc** to make a configuration interpreter of a simple script language to be able to dynamic handle key derivate and serial number lists.
- Implementation and programming with **Windows, DOS, Linux** and real-time OS as **QNX, Net+OS, ThreadX**.
- Driver development with **Windows, DOS, Linux** and **QNX**.
- En web based search engine for the companies internal document based on **Apache** and **Swich-E**.
- Installation and maintenance of a local **Wikipedia**.
- Setup and configuration of a **Jenkins** automation server.
- A simple Client/Server solution of the **SOME/IP**-protocol
- Self-study course in Linux for internal competence development.

Programming language have preferably been **C, C++** and **C#**, but I also mastered **PHP, SQL, Perl** and **Python**.

Possesses excellent pedagogical qualities and enjoy working with teaching (over 40 years as a Judo instructor gives some routine).

Driver licence for booth car and motorcycle.

**Leisure interest:**

I have computers and internet and leisure interest and among other things I also administrate the domain **och.nu**.

I am one of the founders to **och.nu** 1998 and have been administrate the domain since then. This contain among other things maintenance if the web-page, mail and spam handling (i.e. **html**, **PHP**, **Perl** and **MySQL**). I am also a reseller for och.nu:s IPP (**Pair.com**) and have in addition to **och.nu** a few more clients.

I am a Judo practitioner since 1981 and am active as instructor and coach since 1983. Have manage to reach the level of **Black Belt, 2 Dan**.

Have combined my computer interest with Judo by writing the web based system my club uses for attendance management and invoicing (**PHP/MySQL/Perl**).

I am chairman of the board in **Budoklubben Yoi** and **Manager** for the Judo section within the club.