

# CV

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## Profile Senior Developer

I consider myself an excellent problem solver and prefer a functional-first approach to system design. I've been into computers and programming for about 25 years, always looking to challenge myself and discover new ways of thinking. My brain wants to have fun, which shows in my work by always wanting to push boundaries, improving and learning new things. As a senior lead, I apply that philosophy to my team, a balance between challenge and support, to find the zone of proximal development, both on an individual and on a team level.

Being self-employed, I sometimes work on smaller projects by myself, but I much prefer working in a creative team where communication is open and direct, and I have combined the two for many years. I am now looking for a new context, where I can combine my key interests and drive, and create something that brings value to many, a company where the mission is paramount and the team is key.

## Employment

2003-present                      **Durius AB**  
*Developer*

Self-employed consultant working with analysis, system design, programming and general problem-solving.

Some clients

- [Västra Götalandsregionen](#)  
*County council of western Sweden*  
One of Sweden's biggest employers with about 55.000 employees, providing health care for 49 municipalities.  
My role: Lead developer in dental care where I designed and implemented many applications during a period of 15 years part-time.
- [iCore Solutions](#)

*Provider of software for integration between systems*

My role: Designed and implemented their administration client application.

- [Innovatum Science Center](#)

*Public science exhibit center*

My role: Me and my graphic design partner created the software for a number of interactive exhibits, including laser guns, geolocation tags and Raspberry Pi's.

2000-2003

**MindCom AB**

*Developer*

An IT consultancy. I was part of all stages of development projects, from pre-sales to handoff, making technical decisions and coding.

1998-2000

**L&H Mendez Sweden AB**

*Engineer/Test lead*

A software localization company. I started working in test on translation of Microsoft Office 2000, and went on to be engineer lead for MSN Web essentials (MSN, MSN Messenger, Hotmail etc)

## Tech

- C#, professional developer
- F#, professional developer
- T-SQL, professional level
- JavaScript, decent
- Java, experienced, if a bit stale
- C, rare nowadays
- Git, proficient.

## Projects

A small sample of projects I've worked with.

### **Caleidoscopica**

This is a really cool environment at Innovatum, a science centre for kids.

It consists of a projected screen of 8 \* 3 meters, motorized spotlights (moving heads), and tags that give position in 3D indoors. These tags are embedded in 50 cm cubes that can be used for games. I made all the software for controlling the hardware and a basic infrastructure for running games. The environment was operated on a single-page web app, where you could control lighting, start games, shut down or start up the environment, etc. In this environment, I also made a few games together with my graphic design partner.

- Memory

Move the cubes in front of the screen. Hover your cube over a card to attach it. Then hover over another card to reveal the pair. This is multiplayer, so the collisions between people in physical space were hilarious.

- Hole in the wall

A wall with holes in it approaches the players. The mission is to build a structure, using the cubes, to match the approaching hole.

- Rutiga familjen (The squared family)

This is a simple math game made for advancing cooperation and empathy between autistic kids. Originally a web game, I ported it to this environment and the results were astounding. The teachers were actually crying because they had never seen such cooperation between these kids!

- Presentation mode

A presenter attaches one of these positional tags to her chest and the spotlights automatically follow her around the room. Fun to do! Early version here:

[https://youtu.be/WY\\_9uGkkWVM](https://youtu.be/WY_9uGkkWVM)

F#, C#, AS3

### **Dental care quality research**

A framework for studying the quality of dental fillings, root canals and prosthetics. Given journals from 150 clinics in 'Västra götaland' county, we analyze patients over time to aggregate the lifespan of different types of dental treatments. This has been done before in controlled studies, but never before on actual data. Attached to this is other data that can be useful for analysis: Is the treater a specialist or a general dentist? Does it matter where the patients live (socioeconomic factors)? Does examination interval make a difference for expected life span of a dental filling? This data goes into an annual publication - [Odontologiskt bokslut 2018](#)

F#, Sql, SqlClr.

### **Beslutsstöd-R2**

Designed and implemented a decision support system for dentists. The application reads dental records and produces a risk assessment with a suggested cost for national dental insurance and a suggested examination interval. Originally made for 2 counties, it is now used in 11 out of 20 counties in Sweden.

C#, F#, WPF, Sql.

### **iCore Solutions**

[iCore](#) is an integration platform mainly competing with BizTalk and WebSphere. In 2006 I designed and implemented a new administrative application for the platform. Since then I've been involved in most aspects of their system. In 2013 we started porting the application to web as a single-page app.

C#, Sql, WinForms, WPF

## Some online courses

### **Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning**

Aug 2019

[Score 100%](#)

A specialization course for practical Machine learning with Tensorflow. First course of a four-course specialization.

### **Learning How to Learn**

Jun 2016

[Score 100%](#)

Powerful mental tools to help you master tough subjects by *University of California, San Diego* on Coursera.

### **Introduction to Artificial Intelligence**

Dec 2011

Score 94.1%

[Advanced Track of Introduction to Artificial Intelligence](#) at *Stanford University, California*

The course that started MOOCs (Massively Online Open Course) with Sebastian Thrun and Peter Norvig.

## References

Available on request.