

# Henrik Oscarsson

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## PROFESSIONAL EXPERIENCE

2008– Founder, owner, Capsor AB  
2007–2008 Founder, owner, Dipod (EF)  
2004–2007 Systems architect, Canvisa Consulting AB  
2000–2004 Software developer, CATS AB

## EDUCATION AND CERTIFICATIONS

2024 Microsoft Azure Fundamentals Certification (current)  
2024 Designing and Building AI Products and Services, MIT xPro  
2012 Graphical Design & Communication, Bergh's School of Communication, Stockholm  
2009 Certified Scrum Master, London  
2006 Project manager, Learning Tree, Stockholm  
2000 Master of Science in Computer Engineering, Uppsala University

## LANGUAGES

Swedish – native  
English – professional level  
German – entry level

## OTHER

Swedish citizen  
Driver's license: AB and B96  
Military service at LV4 in Ystad, sergeant's grade

## REFERENCES

References are available on request.

## **SELECTION OF CONTRACTS**

### **Improving FRISQ Care, digitizing health care**

FRISQ, owned by Cambio, delivers tools for managing digital care plans for the healthcare industry in Sweden. It's a modern micro-service architecture with React/Angular clients and a Spring Boot Java backend, running in the Google Cloud with DevOps fully integrated in the development process. The job consists of building new features, reviewing architecture and optimizing performance.

My key contribution is grasping the business domain and connecting that to technical decisions for reaching business goals.

**Scope:** Oct 2023 -

### **Cloud Architect and mentor with Barnebys auction platform**

Barnebys Group offers a 100% custom built white-label auction platform to enable Nordic auction houses an online presence as well as a large increase in revenues. I was an architect, improving the overall code structure and information flow, where performance was greatly improved. I also acted as a mentor for junior developers and helped improve DevOps to have Continuous Deployment. The team deployed at least once a day. Everything was built and run in Microsoft Azure.

My key contribution was improving overall architecture and performance, but also building a prototype auction engine using Microsoft's Orleans platform where each inventory being sold had its own auction engine. This massive parallelization enabled thousands of online bids to be handled in milliseconds.

**Scope:** May 2022 – Oct 2023

### **Skills management API for the AMEX**

AMEX in the USA needed a new platform for managing skills among their 1000's of employees. I was contracted as an architect and developer to build a production ready API on the MERN stack. The stack was chosen as it enabled very fast development as well as its scalability when needed. My experience and ability to grasp the business domain and translate that into technology design decisions made it possible to go from scratch to deploy in production in one month.

**Scope:** September 2020

### **Architect and developer for Trust Anchor Group**

I was contracted to architect and build a Xamarin App for managing Digital ID's and Contracts using the Xamarin platform.

**Scope:** November 2020 – March 2021

### **Architect and developer for AMEX**

I was contracted to architect and build an API built using the MERN stack for a skills management framework for AMEX's HR department. I did so and delivered a production ready API in one month.

**Scope:** September 2020

### **Improving the iFACTS insurance platform**

I was contracted as a senior developer with specific focus on improving performance in a large software platform for the insurance industry. The platform is used for managing insurances and claims. My long experience suited the project well and I performed optimizations that improved response times by more than 90%. This was

specifically related to insurance claims made during natural disasters, where thousands of claims were reported in short time.

**Scope:** February 2019 – May 2020

### **Architect/Technical lead for TFF**

I was contracted as technical lead and architect, employed with the task to improve performance in their custom built WPF client with middleware and backend.

**Scope:** June 2017 – December 2018

### **Technical lead for LA Travel**

I was contracted as technical lead to do architecture as well as implementation of a BackOffice implementation for a sports ticket travel agency. Both continuous integration with regards to builds and continuous deployment are run fully in Microsoft Azure.

**Scope:** February 2016 – June 2017

### **Technical lead for The Swedish Red Cross**

I was contracted as technical lead to improve performance for certain long running processes, as well as write a detailed system wide technical analysis, highlighting both highlights as well as areas of improvement.

**Scope:** October 2015 – January 2016.

### **Technical lead for an e-commerce project for POWA in London**

I was contracted as technical lead for a large (100 people, £ 1000 000) e-commerce project in close cooperation with ustwoTM and POWA Technologies. The team consisted of 8 developers per platform (Android and iOS), with UI designers, UX designers and two agile coaches. I reviewed both the backend (server-side) implementation, the client API libraries and the development of the mobile apps. The server-side solution had performance issues which lead to us not meeting the business requirements of max number of concurrent transactions. I reviewed the architecture, did measurements, applied several changes and radically improved throughput in the system. This was presented in several steering group meetings with CTO and President.

**Scope:** February 2015 – September 2015

### **Windows Phone 8 app for Hipstamatic**

The contract was for building a highly advanced photo app for Windows Phone 8. Microsoft and Nokia invested millions of dollars in getting quality apps to Windows Phone to increase number of users. The app (Hipstamatic Oggl) was previously available on the iPhone. I worked intensely and in close collaboration with ustwo™, who did project management, UX and design. The challenge was to get fast enough and good enough real-time image processing on a Photoshop level in a smart phone. This was done using Nokia's (then most modern) phone with a 40MP Camera. I single-handedly built the entire app, and some of the work was done in Nokia's hardware lab outside Lund.

**Scope:** March 2013 – January 2014

### **Building a new FX trading platform for Credit Suisse in London**

I was hand-picked to be part of a team together with ustwo and HiQ to do a pre-study, and then implementation of a new currency trading system for the investment bank Credit Suisse in London. It was a web-based solution that ran on-premise in London, but with involvement from and collaboration with teams in the USA as well as Switzerland.

**Scope:** May 2010 – July 2011

### **Constructing an RFID based security system for Atlantic Airways**

I built an RFID library as well as a touch-based application for the airline company Atlantic Airways on the Faroe Islands. The task was to ensure the mechanics didn't leave tools in Aircraft they had been working on during the day. This was done using RFID labels on all tools, so the mechanics could do a self-service check in/check out. All hardware and software were created from scratch. An RFID reader from ThingMagic was used.

**Scope:** June 2009 –December 2010

### **Software architect and senior developer for SIX Telekurs**

I further developed SIX Telekurs display product SIX Edge. It involved prototyping, design and development of a new grid component using Direct X technology exclusively to accomplish extreme real time information rendering.

**Scope:** March 2007 – April 2010

### **Software architect and senior developer for SIX Telekurs**

I continued development of the display terminal product SIX Edge, which is a trading client presenting in-depth real-time information for trading. The job meant both software development and architecture, specifically implementing support for MiFID, and adding boiler plate code for order management.

**Scope:** May 2004 – August 2006

### **UI architect on a clearing/settlement system**

I enhanced the client application in a large clearing system for the SFE in Australia. It meant working on both software development and architecture and taking the role of lead developer on the front end. The system is using pure Web Service communication between client and server, and the traffic is encrypted to protect the data.

**Scope:** August 2006 – March 2007

### **Create a security model for Collectum**

I specified and developed a thorough security and access control model for the .Net platform in a multi-tiered architecture using Web Service Enhancements (WSE) 3.0. It was done as a prototype for Collectum, as they were replacing their technological platform.

**Scope:** March 2006 – August 2006

### **Development of a new real-time trading platform**

I was part of the team developing the next generation trading client. The task was to replace the existing product (SiX Trader) with a new version called SIX Edge., based entirely on the .NET platform. The focus has been on user interfaces. The client application is communicating via web services and proprietary protocols.

**Scope:** April 2004 – February 2006

**Developing new applications for an ATG online gaming company**

I was part of a larger project that required developing several new applications for a large Australian customer (Tattersalls). The applications were created using the Java Swing library. The assignment required handling lots of data in XML format, processed using XSD, as well as encryption to secure all gambling data.

**Scope:** June 2003 – March 2004

**Migration of an Equity Trading System for the AMEX**

I was part of the pre study, did all the software design and was lead developer in a large migration project aimed to move the front end from C and OpenVMS to C# and Windows. This was done for the AMEX in New York. Part of the work was to introduce the .Net platform and hold seminars on C#, to get the team up to speed.

**Scope:** September 2001 – May 2003

**Development of an Equity Trading system for the AMEX**

I was responsible for development of the front end in a new equity trading system for the AMEX in New York. The performance and availability requirements were high on a system like this. I prototyped and developed and wrote specifications. I also helped perform integration and function testing on location. I also had a support role after delivery.

**Scope:** May 2000 – August 2001