

# C.V. Curriculum Vitae

## **Full name**

Thomas Heide

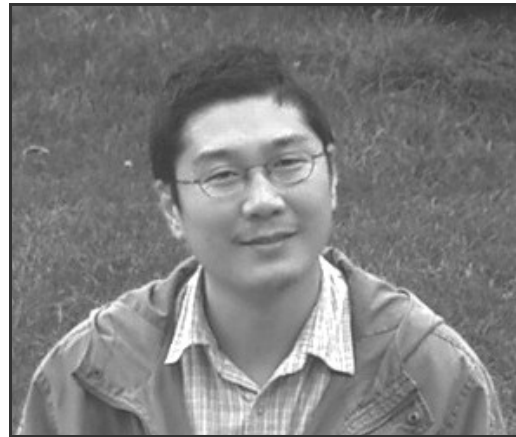
## **Birth date and place**

March 19th, 1974, South Korea  
Adopted by my Danish parents and raised in Denmark

## **Address**

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Denmark



## **Current job position**

Software developer

## **About me**

I am a friendly and mild-tempered person, which will share my opinion if it can lead to something constructively.

My mentality is positively realistic. I try to look at the bright side in all situations but without forgetting the realities.

I have good abilities the area of technical analysis/design but also in the implementation process. I am a software developer with a keen interest on IT architecture. Especially I like the architectural/designing steps in a development project and I am also very fond of controlling the development process in an agile fashion after the principles of Scrum<sup>1</sup>.

Of all the subdomains of software development I like systemarchitecture design and design patterns the best. Both areas strive to reduce the code complexity in a system by seperating and splitting responsiblity in an organized way. This will in the long run lead to easier refactoring and maintenance/modification of the code.

Another important part of a development process is the sharing of knowledge and how we do it. I focus a lot on documentation of work experiences and the need for quick access to it for others.

Strongest skill: Quick at learning new concepts/ideas and domain knowledge.

Weakest skill: Not good at presenting my knowledge in a precise and structured way.

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<sup>1</sup> [Scrum \(development\) - Wikipedia, the free encyclopedia](#)

I graduated from University of Copenhagen with major in computer science and minor in theory of education.

In my sparetime I play football or go to the swimming pool with my son. I also like to spend time with my family, daughter, son and wife. Besides that I read a lot of IT literature, preferably in an old fashion book but else on the Internet.

My future goal is to become an expert at designing IT solutions which are embedded in peoples work processes.

## ***Timeline***

### **2010 - ?**

Currently working as developer for Focus IT a/s. We deliver accounting software in Denmark

**Focus:** Back/frontend development. Migration of existing system concepts to the .NET platform. Re-design and refactoring.

### **2008 - 2009**

Senior systemdeveloper/designer for Traen A/S. A company that delivers ESDH<sup>2</sup> solutions public offices in Denmark.

**Focus:** Backend development. Requirements specifications, estimates, design, implementation.

### **2006 - 2008**

Integration developer/consultant at Software Innovation, which also delivers ESDH systems to public administrations and offices.

**Focus:** Integration and data conversion(ETL<sup>3</sup>) to/from 3. party systems, existing systems. Requirements specifications, estimates, design, implementation of customer specific solutions.

### **2003 - 2006**

English teacher at various private and public schools in the Kosung area, South Korea. Also my wife and I had a little private institute with approx. 30 students.

**Focus:** Teach the student how make an english conversation.

### **2002 - 2003**

I studied for a master degree at University of Copenhagen, not graduated yet.

**Focus:** Network programming, AI<sup>4</sup>, cryptology.

### **2000 - 2001**

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2 Digital case- and document management

3 Extract, transform, and load

4 Artificial Intelligence

I was systemdeveloper at Tric Trac, which at that point of time delivered a CAPI<sup>5</sup>/CATI<sup>6</sup>/CAWI<sup>7</sup> system to survey companies.

**Focus:** New backend features, debugging.

### 1999 - 2000

I worked 1½ year as SAS programmer at Statistics – Diabetes Health Care, Novo Nordisk.

**Focus:** Creation of statistical graphs for medical reports.

### 1997 - 2000

I followed the undergraduate programme in computer science.

**Focus:** Programming languages, compiler implementation, network protocols, theory of hardware design, databases, algorithms, development processes.

## Education

Language programme at Svendborg Highschool, followed-up with a crash-course in math and chemistry.

Computer science and theory of education at University of Copenhagen.

## IT skills

Technology/tools	Skilled	Good	Some knowledge
Architecture and design	Client-server. Design patterns. Layered enterprise. OOA/OOD.	Domain-driven. Web design. MVC/MVP, Sockets. AOP.	Onion architecture. Service bus. Broker. Protocols. Test-driven.
Programming languages	C#, XML, T-SQL	PHP, Ajax, Java, Javascript, D/HTML,C/C++	VB, VB.NET, ML, F#, Clarion, SAS, Ruby, UML
.NET	Forms. Web services. WCF. ADO. Threading. Generics. Delegates	Win service. MSMQ. Fluent Nhibernate, PostSharp, Reflection, DevExpress.	WPF, WF, Linq, Entity Framework. Composition.
Visual studio	General development. Debugging.	Deployment. Unit test. COM+	

5 CAPI(Computer-assisted personal interviewing)

6 CATI(Computer-assisted telephones interviewing)

7 CAWI(Computer aided web interviewing)

SQLserver	Design, Stored procedures, Queries	Functions	Triggers
MySQL	Design	Queries	
Oracle			Queries
Pervasive PSQL			Queries, Basic.
Team Foundation Server		Source control. Configuration	MSBuild scripting
Other tools	Perforce. Virtual box. VMware.	NUnit.	XMLSpy, Visual sourcesafe. IIS, Apache, Eclipse

I am good at solving a technical problem in a manner that fulfills the requirements in an satisfactory way. I estimate and split the tasks into subtasks to make the process more comprehensible. I make sure the requirements are understood and is happy to have a dialog with the product owner(s) about ambiguities in the requirements. I can also analyze a given problem and create a specification based on the analysis and I make sure I document the things I do.

I'm also not afraid to debug/correcting a buildprocess that is failing and I can write test cases if needed.

Basically I can contribute to all the steps in a development process but my main interest lies in the architectural and design aspects.

## ***Language skills***

### **Danish**

It is my native language since I lived in Denmark almost my whole life. Fluent speaking, perfect in reading and writing.

### **Engelsk**

Because of my former job as a teacher my skills are above avarage for a second language.

Fluent speaking, good in reading and writing.

## ***Contact***

### **Email**

[mr.heide@gmail.com](mailto:mr.heide@gmail.com)

### **Home phone**

**(+45) 36 93 08 21**

## Project/work experience

The following list includes some of the project I have been working on in the past. It is rather technical and might not be of interest to everybody.

### **E-conomic Integration**

Interactive integration between IT Revisor and E-conomic, for importing og exporting accounts, entries og budgets.

**Role:** Back/frontend developer.

**Technologies:** .NET/C#, E-conomic API, Pervasive PSQL database.

### **Web Service Integration of Case and Document (WS I-SD)**

The project is a server-to-server event baseret integration between an ESDH and an expert system, specified by ITST.

Additional information is available at IT- og Telestyrelsen: [Projekt WS I-SD](#)

**Role:** Back-end designer and developer on the ESDH part.

**Technologies:** .NET/C#, MSMQ og web service, windows service, IIS, certifikater, SQLserver.

### **CVR integration to ESDH system**

Request CVR contact information in the ESDH system. Data is requested online at CVR through access to their public web service. It is also possible to subscribe to automatically daily update of specific contacts.

**Role:** Back-end designer and developer.

**Technologies:** .NET/C#, XML, web service, COM+, SQLserver.

### **FTP Server project**

Implementation of a FTP server based on RFC 959 - File Transfer Protocol. The server supports the mandatory commands, none of the optional commands are implemented. The server is a Windows application with a UI.

**Role:** Back-end, front-end developer, analysis of RCF and application design.

**Technologies:** .NET/C#, sockets.

### **Board/Meeting web publishing from ESDH to CMS system**

Automatic export of data excerpts in XML format about boards and meetings, from an ESDH system to an external CMS system. The export is event-driven in the ESDH system.

**Role:** Designer and developer.

**Technologies:** XML, .NET/C#, COM+.

### **Proxy server projekt**

Application for filtering HTTP requests with user defined configuration of rules and caching strategy.

**Role:** Analysis, spec., design, mainly back-end and little front-end development.

**Technologies:** Java, sockets.

### **FESD GIS-integrationsmodel version 1.0**

Implementation of the FESD standard for GIS integrations. The integration makes it possible to attach GIS information to cases and documents in an ESDH system.

Additional information is available at IT- og Telestyrelsen: [FESD GIS-integrationsmodel](#)

**Role:** Back-end developer.

**Technologies:** .NET/C#, web service, COM+, XML, SQLserver.

### **Outlook addin refactoring project**

Maintenance/feature development of an outlook addin which auto-journalizes emails in an ESDH system. Adding of new features and refactoring of business logic and UI.

**Role:** Mainly front-end developer.

**Technologies:** .NET/C#, VSTO, Windows forms.

### **TAS til ESDH synkronisering**

Daily synchronization of TAS cases in ESDH system. The core is a data conversion which add new TAS cases to the ESDH system. The program runs on a scheduled job for daily updates.

**Role:** Program designer og udvikler.

**Technologies:** .NET/C#, SQLserver.

### **Document management refactoring**

The purpose of the project is to refactor the document handling infrastructure of the ESDH systemet with a looser coupling to the document store. POCs for AOP and file transfer were created in connection with the analysis.

**Role:** Analyst, spec., designer.

**Technologies:** .NET/C#, WCF, WPF, PostSharp, Enterprise libraries, Spring.NET.

### **Software licens counting tool**

A Windows service counting licenses in customer systems og sending the results to a webservice. The webservice notifies the responsible business consultants by email.

**Role:** Designer and developer.

**Technologies:** .NET/C#, windows service, web service, XML, Enterprise Libraries.

### **Generic ETL application**

A project for developing a module based data conversion engine. Data from one ESDH system are converted to fit the format in another ESDH system. The KL exchange format is used in the transformation step. Additional information is

available at KL: [Konvertering af data mellem ESDH systemer](#)

**Role:** Analyst, designer, developer.

**Technologies:** .NET/C#, SQLserver, XML.

### **Chocofant.dk**

My private site were I can tryout new technologies in the web context. The site has existed since 2002 and has beed changed on multiple occasions and for different purposes.

**Role:** Owner.

**Technologies:** PHP, javascript, ajax, mySQL, jQuery.