

## CURRICULUM VITAE

I am a senior software developer, project manager and software architect with 8 years experience in the field of software development. I have experience in a wide range of tools and methodologies for software development as well as the will and ability to learn new ones when I face new challenges.

At present I am an independent consultant in the field of system development and project management support. I have been working as software developer, software architect and project manager at Brüel & Kjær A/S in Nærum for several years. I resigned from this position on my own accord, and we are still on speaking terms (in fact I have done several assignments for Brüel & Kjær A/S since I left them). Before that I was senior software consultant working for the Swedish consultant agency Combitech Systems. For a full list of previous assignments, please see my list of qualifications below.

After many years of developing software I have a solid technological platform for software development. I have experience in a wide range of software development techniques, methodologies, tools and best practices. My experiences range from ASP .NET N-tier applications to assembly programming via disciplines like test, integration and project management.

I am a high drive person, with lots of inspirational energy. I never give up and I have a knack for finding constructive approaches even to seeming hopeless tasks. My personal and professional integrity grants me a high level of resilience to stress and work-related tension.

I live in Skatteberga, a small village just north of Lund in Sweden together with my wife and our three year old son. My spare time I spend with friends and family.

What I have to offer is:

- Several years experience in software development and architecture
- Solid know-how about many development tools
- A tool case of project management tools
- A professional attitude towards software development
- A sense of humor and a strong fighting spirit



Karl Vestin  
Skatteberga 1422  
24792 Södra Sandby  
Sweden  
+46709464534  
[karl.vestin@diceros.se](mailto:karl.vestin@diceros.se)

### Education

Master of Science  
Engineering Physics –  
Lunds Universitet

Naturvetenskapligt  
Gymnasium - Lund

Continual post-  
education

### Languages

Swedish

English

Danish (listen, read)

## SOFTWARE DEVELOPMENT

Currently I am working as research and development manager at Lithium Balance A/S in Copenhagen. We develop hardware and software for a battery management system for electric vehicles. I am responsible for the research and development organization.

Previously I worked on a project developing an N-tier web application for end customer market.

At Brüel & Kjær A/S I started as software developer on a .NET Compact Framework based embedded project, with desktop application devolved in .NET C#. Performance hot spots were coded in C/C++.

At Ericsson Technology Licensing we used primarily C++ and ANSI C. For test and integration we used Lauterbach debuggers for target debugging and signal analyzers when required.

During my years at Combitech Systems i used many software development tools ranging from assembly to Visual Basic, depending to the clients needs.

## SOFTWARE ARCHITECTURE

I was system architect for the Type 2250 Handheld Analyzer (<http://www.type2250.com>) for several years. This instrument is now the platform for all handheld sound and vibration solutions from Brüel & Kjær A/S.

Previously I have been software architect for a research project at Ericsson Technology Licensing (the Ericsson company that developed the Ericsson Bluetooth stack, now merged into the Ericsson Mobile Platform company).

I have also participated in architectural work as component manager at Axis Communications and Ericsson Technology Licensing.

## PROJECT MANAGEMENT

At Brüel & Kjær A/S I was technical project manager for the development of Type 2250 handheld Analyzer and later project manager for application development projects on the same platform.

I was also project manager for a change management project where we introduced outsourcing as a component in the software development. I mark the successful introduction of outsourcing at Brüel & Kjær A/S as a major milestone in my career.

## Development Tools

Visual Studio

Visual Web Developer

Visual C++

Lauterbach Debugger

GNU C

CVS, VSS, PVCS

ClearCase

## Development Models

Axis Communication Development Model (stage gate model)

Ericsson Technology Licensing Development model (stage gate + iterations, RUP based)

Brüel & Kjær A/S Development Model (stage gate + extreme programming)

Offshore/onsite project setup and multinational project teams

## QUALIFICATIONS

**2009-08-01 –**

**Lithium Balance**

R&D manager for hardware and software development of battery management systems for electric vehicles.

**2008-12-01 – 2009-06-12**

**LogTrade AB**

System architect for a transport logistics system. Implemented in C#, ASP .NET using web services, BizTalk and SQL database engines.

**2008-06-01 – 2008-12-01**

**Diceros**

Development of a N-tier end customer web application using SQL, ASP .NET, Web services and Silverlight.

**2007-11-01 – 2008-09-01**

**Brüel and Kjær A/S**

Implementation of an automated test system with an offshore development team.

**2007-09-01 – 2008-09-20**

**Reson A/S**

Analysis and implementation of outsourcing processes and mentorship to one of Reson's project managers.

**2005-11-02 – 2007-08-31**

**Brüel and Kjær A/S**

Project Manager at Brüel and Kjær A/S in Nærum, Denmark. Running projects at Brüel and Kjær, developing new software for the Type 2250 Hand-Held platform. I helped initiate an outsourcing effort in India to speed up the application development. My role was very much a facilitator of communication; getting software developers in India, marketing people in Denmark and a sales force distributed over the entire world to work together to provide quality solutions to our customers.

**2005-02-01 – 2006-01-01**

**DIEU**

Project management training. Three weeks.

**2004-12-02 – 2005-11-01**

**Brüel and Kjær A/S**

Technical Project Manager at Brüel and Kjær A/S in Nærum, Denmark. During the years following the launch of the Type 2250 we developed a range of measurement applications for the platform. I became technical project manager and system architect for the team in late 2004.

**2004-12-02 – 2005-11-01**

**Brüel and Kjær A/S**

System architect for the 2250 Handheld Analyzer. In parallel to my work as project manager i was also the system architect for the 2250 handheld Analyzer. Many software components were reused for desktop and embedded development so a stringent and visible architecture was vital to our success.

**2002-10-02 – 2004-12-01**

**Brüel and Kjær A/S**

Employed as software developer at Brüel and Kjær A/S in Nærum, Denmark. We designed and built the Type 2250 Hand-Held Analyzer, a hand-held platform for sound and vibration measurements. I was the driver in the user interface team. We won both the RedDot and the Danish Design Award for the instrument.

**2002-10-10 – 2002-10-15**

**Microsoft**

One week intense training in .NET och C#.

**2000-03-02 – 2002-10-01**

**Combitech Systems / Hemocue AB**

Consultant at Combitech Systems. In-house development project. We developed both hardware and software for a new generation of hand-held analyser. I took part in the design of the

communication layers and development of the PC communication stack.

**2000-08-01 – 2002-03-01**

**Combitech Systems / Ericsson Technology Licensing**

As consultant I participated as system architect for the High rate project at Ericsson Technology Licensing, a research project aiming to introduce high speed data transfer in the Bluetooth stack. This has since then been rolled into the Bluetooth 2 standard.

**2002-10-10 – 2002-10-15**

**Combitech System**

Software Architecture in Embedded Systems. One week training.

**2001-02-05 – 2001-02-10**

**Combitech System**

Advanced Java Development. One week training..

**2000-08-01 – 2002-03-01**

**Combitech Systems / Ericsson Technology Licensing**

Consultant at Combitech Systems. Bluetooth protocol stack development. The assignment was to a integration project and involved integration, test, documentation and maintenance of integration software components and test software.

**2000-07-20 – 2000-07-25**

**Combitech System**

Java Development. One week training.

**2000-01-30 – 2000-07-30**

**Combitech Systems / Axis Communications AB**

Consultant at Combitech Systems. Software development for OEM projects. Development, test, production test setup and sub-contractor communication.