



Daniel Halan, M. Sc.
Stockholm, Sweden

Curriculum Vitae

Work internationally.
<http://www.danielhalan.com>

Positive and outgoing person that isn't afraid of taking initiatives and responsibilities. I find pleasure in the creative process, in the search of new ways to improve Enterprises using technology. Currently focusing on building scalable distributed systems suitable for private/public clouds.

25+ Years of Experience within Software Development.

Skills

The skills currently practicing are highlighted.

Methods and Practices

Distributed Systems, Domain-driven design (DDD), Test-driven development (TDD), Human-computer interaction (HCI), Behavior-driven development (BDD), Event Sourcing, CQRS, Responsive web design (RWD), Scrum, DevOps, RUP, Lean, IoC, SOA, eTOM, BPM, MVC

Technologies

.NET, ASP.NET MVC, WebAPI, ServiceStack, Web Forms, **Azure***, Azure Service Bus / Azure Queues, **NServiceBus**, MSMQ, **HTML5, ReactJS**, jQuery, VueJS, AngularJS, KnockoutJS, **Xamarin**, WPF, **Android** SDK, WinForm, WCF, Workflow Foundation, **VSTO, JSON, RESTful, OAuth**, SOAP, DTD, Xml/Schema, XPath, LINQ, LDAP, Entity Framework, ASP, WinAPI, VCL, MFC, GDI+, ADO, ADO.NET, DAO, TAPI, ActiveX, DirectX, HTTP-TELNET-POP3-FTP Protocols, COM+, CGI, ISAPI, MS SQL Extended Procedures

Development Environments

Microsoft Visual Studio, VS Code, IntelliJ, Eclipse, Borland C++ Builder & Delphi

Programming Languages

C#, C/C++, Java, JavaScript, T-SQL, PowerShell, Assembler (x86), Pascal, E, Basic, UC (Epic Games Unreal Script), Embedded Visual C++, Compact C#

Databases

Azure / Microsoft SQL Server, MongoDB, Redis, RavenDB, MySQL, MS Access & Jasmine

Applications and Tools

Microsoft Visio, NUnit, xUnit, NAnt, **TFS, TeamCity**, Entity Framework, NHibernate, OpenRasta, **Git**, SubVersion, Microsoft Project, CodeSite, Docker, Webpack, Cygwin, CVS, Emacs, Multilizer, Wise Installer, InnoSetup, Adobe PhotoShop, SCALA, Macromedia Director, Flash, Dreamweaver, Maya, Alias, 3D Studio MAX, SoftImage, Alias|wavefront Composer, Adobe Premiere, Adobe AfterFX, Discreet Effect*, Discreet Paint*

Information Systems

Microsoft Dynamics CRM, SharePoint, NetDocuments, iManage, Visma, Fortnox, ActiveDirectory and Exchange. BasWare IP, OpenText DM (aka Hummingbird)

Operating Systems

Windows, macOS, Ubuntu, Silicon Graphics IRIX, Amiga OS

Languages

Fluent Swedish, Fluent English and Fluent Polish.

Recent Experience

July 2012 – Current

LEX247.COM
CTO, Chief Software Architect



Software architect for a Legal Practice Management SaaS, that incorporates Case and Time management, and own billing engine for invoicing, and interface to integrate to external accounting systems, other integrations such as Office 365, NetDocuments, iManage, Exchange Online, and Apps for iOS and Android. Built upon Microsoft Azure, with Domain-Driven Design and Distributed Systems design patterns, such as Command Query Responsibility Segregation (CQRS) and Event Sourcing.

Primary target market for the product is mid to large size law firms.

My role in the project has been ranging from Software Architect, Developer to Technical Project Manager, Application Consultant and Head of Product Development.

During the development of LEX247 I was invited to join Azure Advisory Board.

Mars 2004 – Feb 2012 **Logica (CGI / WM-data)**

Systems and Solution Architect, Lead Developer



Worked as systems architect building e-Government ERP used by Swedish Gov. I was responsible for the development of a new .NET platform, which included, web client for internal and external users, Windows Explorer integration, document format transformer (for creating archive resistant documents, miniatures & PDF's for external users), LDAP synchronizer, Single Sign-On, Microsoft Office integration and Hummingbird DM integration for extended document management.

LEX was nominated at Microsoft .NET Awards 2006.

Summer of 2007 I started to work mainly as solutions architect and lead developer for Microsoft Dynamics CRM, SharePoint 2007 and Custom development projects.

Few larger projects,

Telcomplete – Lead Architect for a Telecom Cloud Solution, based on Microsoft Dynamics CRM, with integrations to Logistics, Provisioning and Billing.

Telcomplete was nominated at Microsoft .NET Awards 2008.

Stockholm City, E-Services – Working with defining a citizen platform & e-services for City of Stocholm. Also was responsible architect for City Licensing and Housing & Build approval departments, for their e-service solutions.

Road and Transportation Authority of the UAE (Dubai) – Lead Architect implementing Dynamics CRM.

Education

1995 – 1997 **High School – Advertisement & Branding**
Riddarfjärdens Gymnasium / Södra Latin

Riddarfjärdens Gymnasium is a High School specialized in Advertisement, Branding, Market Communication and Media production with CGI, Photography, Filmography, Video Editing and Audio Editing.

2003 – 2007 **Computer and Systems Sciences, Master**
Stockholm University

Courses:

Human- Computer Interaction, **A**, 2003-09-19
Introduction to Programming (Pascal), **A**, 2003-11-05
Information System, **A**, 2003-12-01
Data Communications and Networking, 2004-01-31
Programming Methodology 2 (Java), **A**, 2004-04-26
Database Systems, **A**, 2004-05-15
Artificial Intelligence and Cognitive Science, 2004-11-24
Logic, **A**, 2004-12-23
Systems Theory, **A**, 2004-09-16
Project Management and Group Dynamics, 2004-10-08
Discrete Mathematics, Algorithms and Data structures, 2004-11-17
Project Management and Group Dynamics, 2004-11-19
Theory of Computation, 2004-12-15
Discrete Mathematics, Algorithms and Data-Structures, 2004-12-18
Object-Oriented Systems Design, 2005-01-28
Introduction to Software Engineering, 2005-03-02
Methods of Data Analysis and Marketing Research, 2005-04-01
Iterative Design and Development of Systems, 2005-05-20
Research Methodologies, 2006-03-04
Models and Languages for Database Systems, 2006-05-13
Model-Driven Development of Components, **A**, 2006-05-20
Internet Application Protocols and Standards, **A**, 2006-09-30
Effective software development with Compact C#, **A**, 2006-06-10
Internet Programming I & I+, **A**, 2006-10-31
Internet Programming II & II+, **A**, 2006-12-19
Internet Programming III & III+ **A**, 2007-03-10
Internet Programming IV & IV+, **A**, 2007-05-26
Effective software development with C# and.NET, **A**, 2007-08-21
Programming using .NET: Advanced Course, **A**, 2012-04-01

Masters paper:

Implementing the Supplier Invoice Process in MOSS 2007, 2007-10-01
<http://danielhalan.com/InvoiceMoss07.pdf>



Spare time Projects

Service Bus MQ Manager

Tool for managing Service Bus Message Queues, currently working with NServiceBus and MassTransit with MSMQ as transport.



More information found at, <http://blog.danielhalan.com/page/Service-Bus-MQ-Manager.aspx>

CRM Configuration Manager *[not maintained]*

This is a tool for managing Dynamics CRM configuration on enterprise level.



- Listed in official [Microsoft CRM 4 Resources](#) page
- Over 20 references to the tool in CRM community blogs
- Often recommended in Microsoft forums, [1](#) [2](#) ...

More information found at, <http://blog.danielhalan.com/page/CRM-Configuration-Manager.aspx>

CRM Configuration Manager – Word Add-in *[not maintained]*

This is an add-in for CCM that adds MS Word document as a possible output destination, making it possible to create a complete documentation over a CRM instance.

More information found at,

<http://blog.danielhalan.com/post/Microsoft-Word-Add-in-for-CRM-Configuration-Manager.aspx>

Bilero.se *[not maintained]*

A Swedish site for searching all used car ads on the web. A Proof of Concept for creating a meta-search engine, which searches on several other search engines and aggregates the results into a single list.



Not maintained

CoCookbook.com *[not maintained]*

Social Cooking, a site created using cloud architecture, built in Windows Azure platform.

The technology used was RavenDB a NoSQL document database, where Event Sourcing was used for the master data, and Command Query Responsibility Segregation (CQRS) was used for the main architecture pattern. Finally Microsoft ASP.NET MVC3 was used for the front-end.

Bytlåna.se *[not maintained]*

Swedish site for barrowing and exchanging small items, such as movies & games. The project was initially planned as a Facebook App, but it never reached that goal as the project got discontinued due lack of time.

Past Experience

June 2003 – July 2003 **Project “PocketIQ”**
Systems Architect, Developer

Developed a Map Application for “PocketPC 2002 Phone Edition”, which displays position of a custom-made tracing device called IQObject. The application was developed using Embedded VC++. The trace mechanism used cell tracing offered by GSM and communicating using SMS messages, making it possible to trace the device without direct contact to a GPS satellite.

More information about the product: <http://www.easygard.se>

Oct 2002 – Dec 2003 **Project “WinControl3”**

A whole rewrite of WinControl, in C++/COM, built with a proper plug-in architecture, and public SDK.

For more info see www.wincontrol.com

Update: Product discontinued, software and source code is available upon request

June 2002 – Sep 2002 **Project “Driving Ranch”**
Systems Architect, Lead Developer
Reference: Ove Jansson, CEO

Development of a LOB for Driving School, including a booking system with web-access. A web-interface for students & driving schools where they could manage their bookings, and a windows application for administration and creating reports. The windows client (C++) used Web Services to communicate with the back-end, which was located on a hosted environment, Database used was MS SQL Server.

Mar 2002 – June 2002 **Project “Easy SiteUpdater”**
Systems Architect, Developer

ESU evolved from multiple requests from web hotels and web production companies which wanted to offer an easy end-user CMS application, to push the maintenance of content to their customer’s. The specification for ESU was to provide an easy way of customizing text and images without being able to change the general page design; the target audience was non-technical users.

For more info about Easy SiteUpdater see <http://danielhalan.com/siteupdater/>

Feb 2002 - Mar 2002 **Project “Payazzo”**
Systems Architect, Developer

Payazzo was a micro-payment system using phone calls / SMS, I was responsible for the creation of an application communicating with a Dialogic’s Telephone PCI Card (D4/PCI) which answerer’s calls and returned a unique Buyer ID, storing the ID on the central SQL Database. Which would be used at e-com for making a purchase. An API for the service was created based on COM Objects that could be used in web scripts, connecting to the Microsoft SQL Server Database. The communications with the Telephone card was done using Microsoft TAPI.

Sep 2001 – Jan 2002 **Project “Casino ERP”**
Project Leader, Systems Architect, Developer
Reference: Mathias Engdahl CEO (Engdahl Casino)

Custom ERP system built for Endahl Casino. For managing customer loans on equipment, outgoing invoices, employees and their salaries and daily balances from each casino. A reporting engine was designed to produce more advance reports and statistics.

Update: In 2004 Engdahl Casino was purchased by Cherry, www.cherry.se

Jan 2001 - Jun 2001 **Hidden Dinosaur AB**
Game Developer (C++, DirectX)

Worked as developer on a 3D adventure game called Loophole, the Alias|Wavefront Maya Game Engine was used as 3D Engine, later to be changed to Epic Games Ureal2 Engine. My responsibility was, creating tooling, (i.e. Animation editor, pairing 3D models with multiple animations), customizing the Graphic Engine for an outdoor adventure type of game, developing HUD and a dialog engine for actor interaction. The game was picked up by TV4 that also created a children TV-show.

More information about the game,

<http://www.hidden.se/brands/loophole.html>

<http://www.hidden.se/corp/corporate/background.html>

<http://www.spelrecension.se/7331774031307>

Oct 2000 – Nov 2002 **Project “Draft” Translator**
Systems Architect, Developer
Reference: Bjarne Vifell, CIO (SDI-Media)

SDI-Media produces subtitles for televisions worldwide, they requested an application for translation of subtitles between Scandinavian languages, which was developed by myself and a linguist professor in Norway. The result application had an approximate 88% translation correctness, and SDI-Media could increase business with fewer translators that only needed to proof read the translations.

Aug 2000 – Oct 2000 **Project “Jämställdighetsbarometer”**
Reference: Katarina Askdal, CEO (JUAB AB)

JUAB provides services to analyze a company’s equality between employees. The system to be built was to retrieve information about the organizations salaries and their gender to provide statistics on how “equal” a company is. The system includes three clients, two used by the customers to gather data and one for administration and producing reports/statistics. The first customer application is a windows client where HR personnel would build up the organization with its employees, including their salaries and gender. The second application was a web questionnaire that all employees anonymously entered their opinions about the company equality. The administration application was used to generate statistics from the gathered data.

For more info about the JUAB check <http://www.juab.com>

Oct 1999 – 2004 **Project “WinControl 2000”**
Systems Architect, Developer

The project started as a lack of a good hot-key/macro application, taking advantage of the Windows Keys. The development of WinControl includes the main program, 5 command modules, full documentation, Software Development kit (SDK) and the ASP-based website.

Jun 1998 – 2000 **Project “Novah”**
Systems Architect, Developer

Project Novah started off as spare time project to optimize the work at Image Research with Video & Image Editing. With time the application grew larger, after 1½ years development I decided to continue with programming and ended my employment at Image Research to continue with product development. Novah functionality span thru image editing, video composition, video effects, audio editing and a portal for media community. Novah included a lot of unique features that the leading graphic products didn't offer at the time.

Feb 1999 - **SH4RPMINDS**
Founder, Systems Architect, Developer

Founded SH4RPMINDS with focus on Product Development, and LOB Consulting.

Jun 1998 – Jan 1999 **Project “AccomControl”**
Systems Architect, Developer

Windows application to control the Video-Disk System “Accom”. Accom standard user interface was based on DOS, which was quite difficult to work with for video editing. AccomControl provided an easy Windows UI to compose video, from different data sources.

Mar 1997 – Feb 1999 **Image Research Scandinavia AB**
3D/2D Artists, Developer, Project Leader
Reference: Jim Gartz, CEO

After finishing high school I persuade one of passions, working with CGI. I was employed as 3D Modeler/Animator for video special effects, using Silicon Graphics workstations, but soon transitioned to software development for tools within video editing, using C++ and x86 ASM.

Nov 1995 – Mar 1997 **Juridisk Informationsteknologi AB**
Developer
Reference: Daniel Moius, Systems Architect

Developer on a Case & Document management 'standard' product sold to the Swedish government. Today owned by WM-data/LogicaCMG. A Client/Server system using MS SQL for Data, and Business Logic within Stored Procedures and Pascal Libraries, and User Interface based on Borland Delphi.