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## Curriculum Vitae

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### Personal Details

**Name:** Nicolai Kjaer  
**City of residence:** Copenhagen, Denmark  
**Nationality:** Danish  
**Born:** 1973  
**Drivers license:** No  
**Languages:** English (US), Danish, basic Dutch

### Functions:

#### **Senior Developer**

Delphi, Visual Basic, ASP/xHTML, Tridion DialogServer, Scripting, MSI, MTS/COM+, MSMQ, XML/XSL, SQL, Windows/Web architect and senior developer.

### Education:

1989 – 1990 Business school  
1979 – 1989 Basic school (1-10th grade)

### Sector knowledge:

Services, Publishing, Financial, Security, Transportation

### Solution skills:

Internet and e-commerce solutions (B2B, B2C)  
Intranets and e-business automation  
Software Research & Development  
EFT solutions (Electronic Funds Transfer)  
WCM and CRM solution development  
Financial systems (sales tracking, portfolios, data mining)

### Operating systems:

XP, Windows 2000, NT, 9x, 3.1x, MS-DOS.

### Middleware:

COM+, MTS, MSMQ, SMS, MAPI, Office, Verity, Tridion

### Software:

MS Visual Studio / Source Safe, MS Office, MS Exchange, MS Help Workshop, MS Publisher, MS Project, Voice Xpress, Wise/MSI, Veritas, WMWare, Install Shield, NetObjects Fusion, Global Gateway, NetTransact, NatWest, InterPay, WorldPay, HomeSite, Tridion DialogServer

### Hardware:

Smart cards, Trace Mountain Loaders, Barcodes, x86/Pentium chipset and resources.

### Programming in:

Borland Pascal, Delphi, Visual Basic, Assembler, ASP, HTML/DHTML, Perl, JavaScript, VbScript, VBA, SQL, and some Java and C++.

### Techniques:

R&D, RAD, OOP, CBD, API, WID and MS DNA  
Documentation, profiling and optimisation, automation, accessibility, refactoring

### Databases:

MS SQL Server, Access, Oracle, Dbase/Paradox, DAO/ADO

### Internet:

IIS, Internet Explorer, Netscape, ASP, DHTML/CSS, XML, JavaScript, VBScript, HTTP/HTTPS, TCP/IP

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**General:**

I was hired by Link Data Security (Denmark) at age 16, and worked there for 7 years in software research and development. In 1997 I moved to The Netherlands and started Spinner Software. Spinner Software develops and releases shareware products.

I'm not your average kind of software developer. Where most software developers are very good in specific technical areas, I have a broad experience in developing applications for small and large businesses. My interests are in new technologies, research and development, project design and architecture, and product management.

I have tried projects ranging from highly technical solutions to simple windows applications, but always with the firm belief that the customer is right, and never forget that the end-users are the ones to use the software. I never develop a solution simply because it was the best technical solution, but always chooses the user's point of view.

I'm a real team player. I'm very good at learning new technology, and does not stop thinking about a problem simply because the clock turns 5.

I have a unique perspective on new technology, and the ability to quickly adjust to a given situation. I'm easy to interact with, and have the ability to explain technical issues to non-technical people.

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## Experience

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**Period:** July 2002 – April 2005  
**Position:** MSI Scriptor / Developer / Troubleshooter  
**Company:** Siemens Nederland N.V.  
**Operating systems:** MS Windows 2000, NT4, 95/98  
**Software:** Veritas WinINSTALL, MSI SDK, Install Shield, Wise, WMWare  
**Computer languages:** Visual Basic, ASP, scripting technologies  
**Databases:** MS SQL Server 2000, MS Access, Oracle, Sybase  
**Duties:** Scripting of software for Win2K rollout through SMS

The primary task was to enable Siemens to roll out software on Windows 2000/XP through SMS. This included scripting of existing software packages (ISS/Wise), creating MSI and MST files, testing, documentation, and deployment. Any special handling was made either through scripting in VbScript, or batch scripting.

My tasks also included finding solutions for tricky software set-ups, Win2K non-compliant software, 16-bit software, resolving Office 97 -> 2000 changes, researching hardware/software problems, impact analysis, and automating the office. I also developed several software products and websites for internal use, using Visual Basic 6 / .NET, ASP, ActiveX and MS Access databases. These tools were for the NT helpdesk and 3<sup>rd</sup> line support, and integrated with the AD and Exchange servers.

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**Period:** May - June 2002  
**Position:** ASP/Tridion DialogServer Developer  
**Company:** PGGM  
**Operating systems:** MS Windows NT 4.0 / 2000  
**Software:** IE 5+, Netscape 6+, HomeSite  
**Computer languages:** ASP/DHTML, JavaScript, VbScript  
**Databases:** MS SQL Server 7/2000  
**Duties:** Construction of publications in Tridion DialogServer

I made updates to websites made with Tridion DialogServer 4.3. The primary task was the creation and development of the [www.pggmextrapensioen.nl](http://www.pggmextrapensioen.nl) site in conjunction with designers and users. I also created and developed a secure intranet site for the PGGM board members. All development was done with ASP/DHTML and scripting technologies, using Tridion DialogServer 4.3.

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**Period:** April - May 2002  
**Position:** ASP Developer  
**Company:** Digital Peppers  
**Operating systems:** MS Windows NT 4.0  
**Software:** ADO, IIS, IE 5+, Netscape 6+, HomeSite  
**Computer languages:** ASP/DHTML  
**Databases:** MS SQL Server 7/2000  
**Duties:** Construction of website [www.integratie.net](http://www.integratie.net)

Created the portal section of [www.integratie.net](http://www.integratie.net), designed and implemented sharing of content across the portal and normal site, upgraded the search engine, and made minor enhancements to the overall site. I also created the backend for editing of agenda details and news articles. All development was done in ASP and DHTML.

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**Period:** April 2001 –April 2002  
**Position:** Senior Internet Product Developer  
**Company:** Tridion  
**Operating systems:** MS Windows NT 4.0 / 2000 / XP  
**Software:** Verity VDK 2.6, Tridion DialogServer 4.3, 4.4, 5.0, MS Office, MTS, COM+, MSMQ, ADO, IIS, IE 5+.  
**Computer languages:** Visual Basic, C++, ASP/DHTML, XML, Wise/MSI  
**Databases:** MS SQL Server 7/2000, Oracle 8  
**Duties:** Refactoring of search engine, build and test automation

I worked for the Core team at Tridion as a developer on the DialogServer components.

Upgrading of Tridion.com from TDS 3.2 to TDS 4.4 SP2 – upgrade of all items in existing database, layout of new structure and automatic creation of new website.

Purge and Publish tools for Tridion DialogServer 4.3, 4.4, and 5.0. Used to purge old content from the database, and to publish all content (for large customers such as KLM).

Refactoring of search engine for Tridion DialogServer 4.3, using Verity VDK 2.6. Documentation and samples, support, test scripts, and implementing additional search enhancements.

Building an automated tool to build all software projects in preparation for both development, testing and release versions of TDS. Flexible, GUI/XML based configurations.

Automated functional testing using proprietary application and Rational Robot. Performance testing using proprietary software, automated restore of database test sets, and extensive server/client side measurements.

Backup developer for the Build & Install team – duties include building normal WISE / Microsoft Installer installations, service packs and vendor platform packs.

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**Period:** November 2000 to January 2001  
**Position:** Senior Developer  
**Company:** QuBiQu  
**Operating systems:** MS Windows 95/98, MS Windows NT 4.0/2000  
**Software:** AEX/NASDAQ data feeds  
**Computer languages:** ASP, HTML/DHTML/NHTML, Jscript/VBScript  
**Databases:** MS SQL Server 7  
**Duties:** Project and website implementations

Development of stock/bonds/options/futures/warrants portfolio for online investors, strategy tracking for registered users. Users can create accounts and individual depots for storing their portfolio data, and quickly see their current investment value and loss/profit statements, and other related or statistical/financial data.

Developed the option-strategies section. This allows users to create option strategies, and monitor the current value and profit/loss statements for each strategy. Featured financial reports, value calculations, bull/bear strategies, investment return reports, and more.

Development of the online end-user account system, and related items. Assisted with their SQL Server database and stored procedures. Designed and developed software solutions by request. Optimisation of CSP client for AEX/NASDAQ data feeds, implemented using Visual Basic and SQL Server.

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**Period:** August 2000 to November 2000  
**Position:** Senior Developer  
**Company:** Markedsoversigten Erhvervsejendom  
**Operating systems:** MS Windows 95/98, MS Windows NT 4.0/2000  
**Software:** Netobjects Fusion  
**Computer languages:** ASP, HTML/DHTML/NHTML, Jscript/VBScript  
**Databases:** MS Access 2000  
**Duties:** Project and website implementations

Developed their online property-news website, with upload modules for the journalists. Easy editing and upload of new articles or news, article-searches, site implementation according to desired layout, and front-page views of top stories.

Implementation of various software projects, and office tools for automated email distributions and reports.

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**Period:** July 1999 to April 2001  
**Position:** Senior Developer / Consultant / CEO  
**Company:** Spinner Software B.V.  
**Operating systems:** MS Windows 95/98, MS Windows NT 4.0/2000  
**Software:** WorldPay, NatWest, NetTransact, InterPay  
**Computer languages:** Visual Basic, VBA, Borland Delphi, C++, ASP, DHTML, Perl  
**Databases:** MS Access 2000 / MS SQL Server 7  
**Duties:** Project implementations and E-Commerce release

In charge of the design and development of WinMapper and all related items (WinMapper software, shareware release system, installation utility, registration processing, back office, website design, database design, documentation, intranet with statistics, office tools, and management). Provided support and development on customer projects, and performed consultancy work for Motorola WSSD, partially in Chicago, US.

Design and development of WinMapper, a small software tool to create keyboard shortcuts to applications, files, Internet Favourites, or one of 100+ built-in functions. Macro functions such as recording and repeating text, inserting predefined text (such as signatures), programming mouse responses, auto numbering, and more. Also provides enhanced MS MouseKeys support, optional editing of the Alias listing, and customisable support for the default Microsoft Windows hotkeys (using the MS Windows Key). WinMapper is language-independent, works on NT/9x/2K, and is released as shareware.

Design and development of SiteMapper, a small shareware tool to show all links available on a website. Allow you to quickly locate broken link (and all referring links/pages), find email addresses, view all resources on the site (grouped by categories), and more.

Design and development of all Spinners websites: WinMapper.nl, Spinner.nl and all subsections (international versions, products, online documentation, payment pages, etc). Implemented several E-Commerce solutions for Spinner's shareware products. Online releases and search engine database submissions.

Design and development of the Spinner.nl back office, an automated shareware registration system and end-user feedback data processing. Provides financial and statistical data to Spinner.nl on an intranet, auto-generates registration codes, and allows easy/automated data entry and view of to the online databases.

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**Period:** October 1999 to January 2000  
**Position:** Designer / Developer  
**Company:** Motorola WSSD / Spinner Software  
**Hardware:** Smart cards  
**Operating systems:** MS Windows NT 4.0  
**Software:** Visio, Office, Clear Case  
**Computer languages:** Visual Basic, VBA, ASP/ActiveX, JavaScript / VbScript  
**Databases:** MS Access / SQL Server  
**Methods:** ActiveX Components, prototyping, design, development  
**Duties:** Design and development, Tripperpas CSC application

The first 5 weeks of the Tripperpas project was completed on-site at Motorola's main campus in Chicago. During this period I was introduced to the team, and designed the Tripperpas (NL) Customer Service Centres GUI in addition to the design and documentation of standard GUI requirements and proposed layout.

At Spinner Software's office, the project was completed with the design and prototyping of a standard distribution (.exe) solution of CSC software, using Visual Basic. Then I proposed a solution around Motorola's problem with using a VPN solution, and Spinner Software designed and prototyped a solution using ActiveX forms/components and ASP scripts.

In addition to being the project watchdog, I also recommended and provided the initial contact with Dutch network / E-Commerce solution providers.

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**Period:** June 1998 to June 1999  
**Position:** Developer  
**Company:** Emery Worldwide / EXA-IT  
**Operating systems:** MS Windows 95, MS Windows NT 4.0  
**Software:** Global Gateway 3.0 and 4.0, Computron  
Bank software for 15+ countries  
**Computer languages:** Visual Basic and VBA (MS Access)  
**Databases:** MS Access  
**Duties:** EFT/GG implementations

Performed the development of ABN AMRO Global Gateway interface with Computron accounting system using Visual Basic 5, MS Access, and Global Gateway 3.0 and 4.0 (Emery was a 4.0 test site). This ABN AMRO system is used to facilitate electronic – and secure - payments throughout Europe.

Development of bank-account reporting tools using result messages and related information from Global Gateway, with interfaces to Computron for automated bank reconciliation.

I managed and developed EFT solutions (Electronic Funds Transfers) for 15 countries (each with their own file format specification). This included the development of generic software solution (using ActiveX), set up of individual countries' bank software, end user support and manuals.

Enhancements and support of existing Purchase Order system and related databases, reports and statistical modules, all in MS Access.

Developed miscellaneous statistical databases and reports, and other end-user or developer tools. These were developed in Visual Basic, MS Access and MS Office.

Provided technical support and end-user assistance.

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**Period:** April 1998 to June 1998  
**Position:** Developer  
**Company:** Sigma Coatings / EXA-IT  
**Operating systems:** MS Windows 95, 98, NT  
**Software:** MSDS Browser  
**Computer languages:** Borland Pascal for DOS, Delphi 1.0, and Delphi C/S 4.0  
**Databases:** ASCII database from mainframe  
**Duties:** Upgrade of MS- DOS program to Windows

Upgrade of Material Safety Datasheet browser from old MS DOS (Pascal) program to Delphi 1.0 for Windows, with component sharing across the DOS and Windows platforms. This was later upgraded to Delphi 4.0 for Windows 9x/NT with additional enhancements in searching, reports, printing and browsing.

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**Period:** 1997  
**Position:** Developer / designer  
**Company:** Pro-face  
**Operating systems:** MS Windows 95, 98, NT  
**Computer languages:** VBA  
**Databases:** MS-Access 95 / 97  
**Duties:** Software design / development

Designed and developed a purchase order / invoice database system in MS-Access. The software could import data from their existing MS Excel sheets, and featured report generation, GUI for data entry and viewing, invoice and purchase order printing according to existing layout.

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**Period:** 1995 - 2000  
**Position:** Developer / designer  
**Company:** Brodersen Teknik / Link Data Security  
**Hardware:** Barcode readers  
**Operating systems:** MS Windows 95, 98, NT  
**Software:** Wise, Install Shield, MS Office, MS IE, MS FrontPage  
**Computer languages:** Assembler, Delphi, HTML, JavaScript  
**Databases:** Custom written, Dbase / Paradox  
**Duties:** Software design / development

Development and design of electronic catalogue (Castalia), distributed as alternative to paper copy. Automated fax and purchase lists, full product review, language-independent but with some language specific rules (NO, SE, DK, UK). Support for barcode reading and printing.

Provided partial design, and all development and support of Brodersen's sales-administrative package (C/Con). Automated import from accounting system (Concorde), easy browsing and tracking of all sales made within the past 5 years, customer and appointment tracking, budgets, bonuses and dividends for the sales teams. Also features automated reports, statistical data and analysis, multi-currency support, and support for individual customer contracts.

Handled the development of various office tools and reports, currency calculators, etc. Provided the initial development and support of Brodersen websites, and continued with providing technical support (24/7) on all software projects.

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**Period:** 1990 - 1997  
**Position:** Developer / contractor / Project Manager  
**Company:** Link Data Security  
**Hardware:** x86 chipset and resources, Trace loaders, Barcodes  
**Operating systems:** MS Windows 95, 98, NT  
**Software:** Security systems and consultancy  
**Computer languages:** Assembler, Pascal, Delphi, C, HTML, Java  
**Databases:** Custom written, Dbase / Paradox, MS-Access  
**Duties:** MS Windows development

Consultancy / contracting for other customers. One project included automated billing of gas and electricity using specialized hardware and software back office support, and was performed on-site with the existing development team.

Assisted in the development and maintenance of Link's sophisticated copy protection systems such as CopyLock, WinCops, and CD-Cops. This involved a lot of research and development, and often required the locating and fixing highly technical or hardware specific errors.

Project Management for development of Microsoft Windows products. Provided interim management during vacations and business trips.

Design, editing and printing of quarterly newsletters. Initial development of Links website. Also assisted in the design and development of applications for internal use (for statistical, administrative, or automation purposes).

Created the software for Link's TIA hardware board. This software measures bit distances on a floppy, and allows the user to browse or obtain statistics for any data (including system bits) on the disk.

Designed and developed a diskette verification program for Lotus Development (Ireland), using Trace-Mountain loaders. This software validates all outgoing floppy diskettes from Lotus, and is fully automated. Includes context sensitive help and disk-imaging features.

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# Training and Courses

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## Education:

Basic School, 1-10th grade  
Business School (EFG)

## Courses:

- Advanced Mathematics
- French, beginners
- Machine Architecture and Operating Systems
- Business basics (economics, structure, human resources..)
- Programming (Pascal)
- Business systems
- System development (databases, SQL)
- Networks (Communication and Resource sharing)

## Links:

Siemens Nederland NV	<a href="http://www.siemens.nl/">http://www.siemens.nl/</a>
PGGM	<a href="http://www.pggm.nl/">http://www.pggm.nl/</a>
Integratie.net	<a href="http://www.integratie.net/">http://www.integratie.net/</a>
Digital Peppers	<a href="http://www.digitalpeppers.com/">http://www.digitalpeppers.com/</a>
Tridion	<a href="http://www.tridion.com/">http://www.tridion.com/</a>
Spinner.nl	<a href="http://www.spinner.nl/">http://www.spinner.nl/</a>
WinMapper	<a href="http://www.winmapper.com/">http://www.winmapper.com/</a>
QuBiQu	<a href="http://www.advantis.nl/">http://www.advantis.nl/</a>
NEPIX	<a href="http://www.nepix.com/">http://www.nepix.com/</a>
Erhvervsejendom	<a href="http://www.erhvervsejendom.dk/">http://www.erhvervsejendom.dk/</a>
Emery Worldwide	<a href="http://www.emeryworldwide.com/">http://www.emeryworldwide.com/</a>
ProFace	<a href="http://www.proface.com/">http://www.proface.com/</a>
Sigma Coatings	<a href="http://www.sigma-coatings.com/">http://www.sigma-coatings.com/</a>
Motorola	<a href="http://www.motorola.com/">http://www.motorola.com/</a>
Brodersen	<a href="http://www.brodersen.com/">http://www.brodersen.com/</a>
Link Data Security	<a href="http://www.linkdata.dk/">http://www.linkdata.dk/</a>