

Curriculum Vitae – Nicolai Kjaer

Personal Details

Name:	Nicolai Kjaer
Residence:	Amsterdam, The Netherlands
Nationality:	Danish
Born:	1973
Drivers license:	No
Languages:	English, Danish, basic Dutch
Education:	1992 – 1996 Partial computer science (night school). 1989 – 1990 Business school. 1979 – 1989 Basic school (1-10th grade).
Sector knowledge:	IT Services, Publishing, Financial, Security.
Functions:	Senior Scripter/Packager, Software Developer.

Introduction

I started with computers and software development at age 10. I was hired by Link Data Security (Denmark) at age 16, and worked there for 7 years in software research and development. I moved to The Netherlands in 1997 and started Spinner Software.

I have a broad experience in developing applications for small and large businesses. My interests are in new technologies, research and development, automation and tooling.

I've completed projects ranging from highly advanced technical solutions to simple windows applications, but I never forget that the end-users are the ones to use the solution.

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

Period:	July 2013 - Oct 2014
Position:	Principal Developer
Company:	Spinner Software B.V.
Software:	Custom
Computer languages:	C#, .NET, VBA, DHTML/CSS/JavaScript
Databases:	Windows Installer, Custom
Duties:	Software research and development

Software research and development of a packaging robot (snapshotting, conversion to MSI), install tuner (configurable auto transform/mst creation based on templates) and Windows Installer editor for future use / release. Writing documents and guides for public release.

Development with Microsoft Visual Studio, in C# (.NET).
Testing using VMWare Workstation, later VirtualBox.

Period:	July 2002 – July 2013
Position:	Specialist for scripting/packaging/tooling
Company:	Siemens Nederland N.V., later AtoS
Software:	WinINSTALL, MSI SDK, InstallShield AdminStudio, Wise, WMWare, Citrix, App-V 4.5, App-V 4.6
Computer languages:	Visual Basic, C#/VB.NET, ASP, scripting
Databases:	MS SQL Server, MS Access, Oracle, AD/LDAP, Exchange, SMS/SCCM
Duties:	Scripting and packaging of software for deployment through SysPrep / SMS / SCCM / ManageSoft / Citrix / TS. App-V sequencing and publication. Automation, tooling and technical support.

General:

Scripting and packaging using InstallShield AdminStudio, Orca/MS SDK, WinINSTALL, and internal tools that I wrote, for distribution with SysPrep / SMS/SCCM / ManageSoft / TS / Citrix.

Advanced App-V sequencing and publication, updates and migrations.

Development, tooling and automation for departments and client migration projects.
Software development and tooling/automation using VB6, VBA, C#/VB.NET, ASP, HTML/CSS and JavaScript, usually with some back-end integration (AD/LDAP, Exchange, SMS/SCCM).

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Siemens (~5k workstations), 2002 - 2013:

Scripting and packaging of applications.
Migration of Siemens NL from Windows 2000 to Windows XP.
Migration of Siemens NL from Windows XP to Windows 7.
Tooling to create reports and documents for other departments.
QA for external suppliers.
Development of websites and databases for use during client migration projects.
Development of scripts and tools for use with the local Active Directory/LDAP and Exchange servers during migration projects.
Supporting and helping the other packagers with problems.
Development of scripts and Windows Installer Custom Actions repositories.
Development of internal scripts and tools for Helpdesk and Server Beheer.
App-V sequencing and Citrix/TS packages when needed by Server Beheer or clients.
Troubleshooting software issues on the new platforms.
Internal MS Office scripting support.
Technical support for Desktop Management team.
Automated the packaging / deployment process.
Wrote standards and guidelines.
VBA development and support for internal Siemens Sjablonen (Word Templates).
Development of SMS (SCCM) tool for batch processing, import/exports, migrations, reports and integration (AD/Exchange).
Development of internal packaging tool used by packagers to create MSI/MST that conform to Siemens standards, with client specific configuration / tuning / features.
Distribution of software and application management (SMS/SCCM).

Client A (~3k workstations), 2005 – 2009:

Support during and after the migrations.
Scripting and packaging using InstallShield AdminStudio, Orca/MS SDK and internal tools that I wrote, for distribution with SysPrep / SMS / SCCM.
Deployments of big application suites (AutoCAD, Adobe, ..).
Distribution of software and application management (SMS/SCCM).
QA for external supplier.
Development of SMS reports with user information from AD, for sale to client.
SMS Server and/or distribution troubleshooting.

Client B (~3k workstations), 2007 – 2013:

Support during and after the migrations.
Scripting and packaging using InstallShield AdminStudio, Orca/MS SDK and internal tools that I wrote, for distribution with SMS / SCCM.
Deployments of big application suites (AutoCAD, Adobe, ..).

Client C (~1k workstations), 2010 – 2013:

Support during and after the migrations.
Sequencing and publishing with Microsoft App-V 4.5.
Scripting and packaging using InstallShield AdminStudio, Orca/MS SDK and internal tools that I wrote, for distribution with SMS / SCCM.
Application updates and migrations, occasionally outside business hours.
Packaging and distribution support for special hard- and software in use (Body-heat readers, portable maps, etc.).

Client D (~1k workstations), 2010 – 2013:

Support during and after the migrations.

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Sequencing and publishing with Microsoft App-V 4.6.
Scripting and packaging using InstallShield AdminStudio, Orca/MS SDK and internal tools that I wrote, for distribution with SMS / SCCM.
Development of Dynamically linked packages, and Shared App-V packages.
Application updates and migrations, occasionally outside business hours.
Packaging and distribution support for special hard- and software in use (Body-heat readers, portable maps, etc.).

Client E (~1k workstations), 2011 – 2013:

Support during and after the migrations.
Scripting and packaging using InstallShield AdminStudio, Orca/MS SDK and internal tools that I wrote, for distribution with ManageSoft.
Scripting and development support for the clients Desktop Management team.

Period:	May - June 2002
Position:	ASP/Tridion DialogServer Developer
Company:	PGGM
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

Updates to websites made within Tridion DialogServer 4.3. Creation and development of the www.pggmextrapensioen.nl site in conjunction with designers and users. Creation and development of a secure Intranet site for the PGGM board members. All development was done with ASP/DHTML and scripting technologies, using Tridion DialogServer 4.3.

Period:	April - May 2002
Position:	ASP Developer
Company:	Digital Peppers
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

Created the portal section of 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. Created back-end 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
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:	Re-factoring 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).

Re-factoring 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.

Period:	November 2000 - January 2001
Position:	Senior Developer
Company:	QuBiQu
Software:	AEX/NASDAQ data feeds
Computer languages:	ASP, HTML/DHTML/NHTML, JavaScript/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

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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.

Period:	August 2000 - November 2000
Position:	Senior Developer
Company:	Markedsoversigten Erhvervsejendom
Software:	Netobjects Fusion
Computer languages:	ASP, HTML/DHTML/NHTML, JavaScript/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.

Period:	July 1999 - April 2001
Position:	Principal Developer
Company:	Spinner Software B.V.
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 product, shareware release system, installation package, registration processing, back office, website design, database design, documentation, intranet with statistics, office tools, management, etc.).

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.

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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.

Period:	October 1999 - January 2000
Position:	Designer / Developer
Company:	Motorola WSSD
Software:	Visio, Office, Clear Case
Computer languages:	Visual Basic, VBA, ASP/ActiveX, JavaScript / VbScript
Databases:	MS Access / SQL Server
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.

Back in Holland, the project was completed with the design and prototyping of a standard distribution solution of CSC software, using Visual Basic. I proposed a solution around Motorola's problem with using a VPN solution, and we 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.

Period:	June 1998 - June 1999
Position:	Developer
Company:	Emery Worldwide / EXA-IT
Software:	Global Gateway 3.0 and 4.0, Computron, various banking software from 15+ countries
Computer languages:	Visual Basic and VBA (MS Access)
Databases:	MS Access
Duties:	EFT/GG implementations

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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.

Period:	April 1998 - June 1998
Position:	Developer
Company:	Sigma Coatings / EXA-IT
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.

Period:	1997
Position:	Developer / designer
Company:	Pro-face
Software:	MS Office
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

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existing layout.

Period:	1995 - 2000
Position:	Developer / designer
Company:	Brodersen Teknik / Link Data Security / Spinner Software
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
Software:	Security, BIOS and operating systems.
Computer languages:	Assembler, Pascal, Delphi, C, HTML, Java
Databases:	Custom written, Dbase / Paradox, MS-Access
Duties:	MS DOS/Windows software 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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Experience - Overview

Scripting/Packaging:

Company	Start	End	Description
AtoS	2012	2013	MSI / AppV scripting and packaging.
Siemens Nederland N.V.	2002	2012	Migrations from Windows 2000 through Windows 7. Windows Installer based scripting and packaging. Sequencing and publishing App-V 4.5/4.6 packages. Configuring large software deployments (e.g. AutoCAD).
Tridion	2001	2002	Backup developer for the Build & Install team ; building normal WISE / Microsoft Installer installations, service packs and vendor platform packs.
Spinner Software	1997	-	Custom built installers, later Windows Installer based.
Link Data Security	1994	1997	Custom built installers and wrappers.

Software Research & Development:

Company	Start	End	Description
Spinner Software	1997	-	Software r&d, PM, PR and publishing.
Siemens Nederland N.V.	2002	2012	Software and intranet r&d + tooling and automation.
PGGM	2002	2002	Web r&d + Tridion templates. ASP/Tridion.
Digital Peppers	2002	2002	Web r&d for integratie.net. ASP.
Tridion	2001	2002	Core team developer for DialogServer. Vb/C++/ASP.
QuBiQu	2000	2001	Web r&d for stock portfolios website. Vb/ASP.
Motorola	1999	2000	Software r&d for Tripperpas (early OV-chipkaart).
Emery Worldwide	1998	1999	EFT software r&d ; Vb / Office.
Sigma Coatings	1998	1998	Software development + upgrade Pascal to Delphi.
Pro-Face	1997	1997	Software development using Vb/Office.
Brodersen Teknik	1995	2000	Software development and design. Assembler/Delphi.
Link Data Security	1990	1997	Consultancy ; software research and development, advanced troubleshooting. Assembler, Pascal, Delphi, C.

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Courses:

1994	Advanced Mathematics
1994	French, beginners
1995	Machine Architecture and Operating Systems
1995	Business basics (economics, structure, human resources..)
1995	Programming (Pascal)
1995	Business systems
1996	System development (databases, SQL)
1996	Networks (Communication and Resource sharing)
2013	Dutch, beginners+

Keywords:

Software Development	Web Development	Databases	Scripting / Packaging	Virtualization
C / C++ / C#	ASP	MS SQL	Windows Installer	MS AppV 4.5
Visual Basic 6	Javascript	MS Access	InstallShield	MS AppV 4.6
VB.NET	DHTML/CSS	Oracle	WISE	Citrix
VbScript		Active Directory	Orca / MSI SDK	VMWare
XML/XSL		LDAP	MS SMS / SCCM	
		MS Exchange	ManageSoft	
		Legacy/ODBC		