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086

## ***Curriculum Vitae* drs. Gerrit-Jan Linker**

### **Personal information:**

Name: Gerrit-Jan Linker  
Date of birth: 25-juni-1970  
Nationality: Dutch

### **Company information:**

Name: Linker IT Software BV  
Address: Snikke 6  
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## Experience Summary

### Key skills:

Level:	Tool or skill:
Expert	Oracle SQL and PL/SQL versies 7 – 11g. TOAD, PLSQL developer. Oracle developer & designer. SQL Server TSQL, DTS and MS Access Visual Basic (VB6), ADO, ODBC, VS6, Visual Interdev Excel VBA, Office development (COM, add-ins) C / UNIX, shell scripting
Average	Software development, design, engineering, testing Oracle Forms, Reports, Designer ASP, PHP, VBScript, javascript XML, XSLT, CSS Business process analysis
Knowledge	Visual Studio .Net

### Freelance positions:

Period:	Sector:	Description:	Position:
2006-2009	Energy	Cogas Energie	Business Engineer / Oracle developer
2000-2005	Aviation	Manchester & Liverpool Airport, UK	Operational system support
2002-2004	Insurance	Swinton Insurance, UK	Oracle, Access & SQL Server developer
2001-2002	Energy	Generis Technology, UK	Senior Oracle developer
2000-2001	Government	First Software, UK	Oracle analyst developer
2000-2000	Pharmaceutical	Glaxo SmithKline, UK	Analist programmer
2000-2000	Retail	Littlewoods, UK	Oracle reports developer
2000-2000	Telecom	Versatel	VBA Excel developer
1998-2000	Aviation	Manchester Airport, UK	System pprogrammer

### Permanente positions:

Period:	Sector:	Description:
1996 – 1998	Energy	SCT International, UK
1996 – 1996	Financial	ABN AMRO via DP Finance
1995 – 1996	Financial	DP Finance

### Own software company:

Period:	Sector:	Description:
1995 – 2009	Business Intelligence	Software odevelopment & sales of my own software products.

For a more comprehensive description of my experience, please refer to the appendix.

## Education

Period:	School:	Description:	Location:
2009 –	University	PhD in Theoretical chemistry	Groningen
1990 – 1995	University	Masters in Theoretical chemistry	Groningen
1989 – 1990	HLO	Hogere Laboratorium Onderwijs	Groningen
1986 – 1989	MLO	Middelbare Laboratorium Onderwijs	Groningen
1982 – 1986	MAVO	Middelbaar Algemeen Voortgezet Onderwijs	Slochteren

## Courses

Year:	Course:	Institute:
1998	Certified Oracle Application Developer Program (3 of the 5 modules)	Oracle, UK
1996	Oracle Pro*C	Xicon, UK
1996	Oracle SQL, PL/SQL, Oracle Architecture, Oracle Designer 2000, Oracle Developer 2000 (Forms, Reports)	Oracle
1996	AOB – Algemene Opleiding Bankcompany	NIBE
1995	Cobol Expert Class	VAC
1990	VWO Wiskunde B	LOI

## Publications

Year:	Publication:
2010	"Comparison of ab initio molecular properties of EDO-TTF with the properties of the (EDO-TTF) <sub>2</sub> PF <sub>6</sub> crystal". G.J. Linker et al., Chemical Physics Letters (2010), <a href="http://dx.doi.org/10.1016/j.cplett.2010.01.026">http://dx.doi.org/10.1016/j.cplett.2010.01.026</a>
2001	Interviewed for Oracle Magazine. Jan-2001 (Peer to Peer column)
2001	Written a review for orafaq.com: Formatter Plus utility van Steven Feuerstein
2001	Written a review for orafaq.com: John Dorlon's Oracle utility EZSQL
2000	Co-authored the Oracle 8i DBA Bible. IDG books, ISBN 0-7645-4623-6
1995	Journal of Electron Spectroscopy and Related Phenomena, <i>Hartree-Fock study on the lower excited states of a Cu<sup>+</sup> impurity in NaF using large embedded clusters</i> , Elsevier, vol 77, p 143-148 1995

## Published Software

Period:	Software:	Description:	Used tools and skills:
1995 – 2010	SQL*XL	A MS Excel to database interface	VB6 • VBA • ActiveX • OLEDB • ODBC • OO4O ADO • Oracle • Access • SQL Server most known databases
2007 – 2008	EncOffice	MS Office encryption software.	VB6 • VBA
2005 – 2006	LitLIB	MS Excel function library	VB6 • VBA
2004 – 2004	LitXLS	Binary MS Excel XLS creator	VB6
1994 – 1996	Huckel	Molecular properties calculator	VB3 • VB4 • VB5
1996 – 1997	MasSim	Mass spectrometer simulator	VB5 • ActiveX
1998 – 1998	DataEntry	Oracle Data Entry Utility	Oracle • Oracle Forms
1998 – 1998	Explain	Oracle Explain Plan Utility	Oracle • Oracle Forms
1999 – 1999	CommSnif	COM port sniffer	VB5 • serial comms
1999 – 1999	CommTest	COM port analyser	VB5 • serial comms
2001 – 2001	WordDiff	Differences in Word documents.	VB5 • VBA
2001 – 2001	OrderForm	Configurable Order System	HTML • JScript

For more details see [www.oraxcel.com](http://www.oraxcel.com)

## Languages

Dutch: fluent • English: fluent • German: oral • French: knowledge

## Personal

2008 – 2009	Guest researcher at de university of Groningen. Cooperation with Prof. dr. Ria Broer and others.
2003 – 2009	Running: 10km, half and whole marathon.
2005 – 2007	Editor of a local newspaper for Nieuw-Amsterdam / Veenoord. 3500 copies monthly.
2005 – 2006	Trainer of a running clinic in Nieuw-Amsterdam. 6 months, 10 participants.
2005 – 2005	Assistant-trainer at the loopgroep Klazienaveen. 100 participants.

## Collaborations

2009 –	Prof. dr. Piet Th. Van Duijnen, Theoretical chemistry, Groningen state university <i>Toepassing van de Direct Reaction Field methode in het onderzoek aan (EDO-TTF)<sub>2</sub>PF<sub>6</sub></i>
2008 – 2010	Prof. dr. Ria Broer, Theoretical chemistry, Groningen state university <i>Promotor. Ab initio quantum chemie berekeningen aan (EDO-TTF)<sub>2</sub>PF<sub>6</sub></i>
2008 – 2010	Prof. dr. ing. Paul van Loosdrecht, Optical Condensed Matter Physics groep, Groningen state university <i>Researching the metal to insulator transition in (EDO-TTF)<sub>2</sub>PF<sub>6</sub></i>
2007 – 2008	Donald Bureson, Rampant Techpress & <a href="http://www.dba-oracle.com">www.dba-oracle.com</a> <i>Development and marketing of the Excel-DB software.</i>

## Conferences

2010	Poster presentation at the NWO scientific meeting on Chemistry related to Physics and Material sciences, Veldhoven (2 days). 3 <sup>rd</sup> price for best poster.
2009	Jujols: International Quantum Chemistry meeting, Zeegse (4 days)

## Appendix: Experience details (in reverse chronological order)

<b>Business Engineer / Oracle developer Cogas Energie, Almelo</b>			
<b>Period:</b> 07-2006 – 09-2009	<b>Position:</b> Freelance	<b>Company:</b> Netbeheerder	<b>Sector:</b> Energy
<b>System:</b>	Netmeet, a CMS based on MECOMS		
<b>Tools and skills:</b>	Oracle 8i/10g • PL/SQL • Designer • Forms • Reports Profielenmethodiek gas/electricity • Billing		
<b>Description role:</b>	<ul style="list-style-type: none"> <li>• Convert billing processes from SQL scripts (15,000 code lines) to PL/SQL packages with a Oracle Forms front-end. Full life cycle.</li> <li>• Development of aggregate billing. Full life cycle.</li> <li>• Aiding functional managers to write functional specifications.</li> <li>• The writing of technical designs and the writing and execution of test plans.</li> <li>• Making impact analysis en data analysis.</li> <li>• Running projects in the Dutch energy market in small teams.</li> </ul>		

<b>Operational System Support Manchester and Liverpool Airport, UK</b>			
<b>Period:</b> 03-2000 – 01-2005	<b>Position:</b> Freelance	<b>Company:</b> Airport	<b>Sector:</b> Aviation
<b>System:</b>	AMOSS: Airport Management and Operations Support System		
<b>Tools and skills:</b>	Oracle 8i application system en DbA support.		
<b>Description role:</b>	<ul style="list-style-type: none"> <li>• Third line, out of hours, operational support for the AMOSS system and interfacing systems at Manchester and Liverpool airport. Users: 250 clients, 2 DB servers, 1 application server.</li> <li>• Troubleshooting of system interfaces: messaging (MS message queue, flat files, database links), communication protocols (TCP/IP, serial comms, ODBC).</li> <li>• DBA support for Oracle databases.</li> </ul>		

<b>Oracle, Access &amp; SQL Server developer Swinton Insurance, Manchester, UK</b>			
<b>Period:</b> 06-2003 – 05-2004	<b>Position:</b> Freelance	<b>Company:</b> Insurance broker	<b>Sector:</b> Insurance
<b>System:</b>	MI (Management Information ) en CMS systems: Acquisitions MI • Customer Contact Database • Accidental Death Benefit System • Retentions MI Live Customer Extract • Motorhome Retail System • Customer Development System		
<b>Tools and skills:</b>	Oracle7 • PL/SQL • Access97 • SQL Server 2000 • T-SQL (stored procedures) • DTS • VB6 UML • UNIX • shell scripting • CITRIX • Visual Interdev • ASP • VBA-Word • VB Reporting		
<b>Description role:</b>	<ul style="list-style-type: none"> <li>• Role of senior developer in small teams of 2 to 4 people.</li> <li>• Reverse-engineering of old systems. Writing new systems.</li> <li>• Predominantly the writing of code, test plans and technical specifications.</li> </ul>		

<b>Oracle &amp; SQL Server developer Swinton Insurance, Manchester, UK</b>			
<b>Period:</b> 06-2002 – 03-2003	<b>Position:</b> Freelance	<b>Company:</b> Insurance broker	<b>Sector:</b> Insurance
<b>System:</b>	Customer Development System		
<b>Tools and skills:</b>	Oracle7 • Pro*C • Oracle DBA • PL/SQL • Access97 • SQL Server 2000 • SQL • TSQL • ADO OLEDB • ODBC • shell scripting • SCO UNIX		
<b>Description role:</b>	<ul style="list-style-type: none"> <li>• Cooperation with a functional manager and a system tester.</li> <li>• Development and design of SQL Server stored procedures to make a data extract from a very large Oracle database.</li> <li>• Development and design of a Access database front-end.</li> <li>• Reverse engineering of shell scripts, PL/SQL coding.</li> <li>• Performance tuning of an Oracle database and bugfixing of PL/SQL code.</li> <li>• Reinstallation on a new SCO UNIX server.</li> </ul>		

Senior Oracle Developer Generis Technology, Manchester, UK			
<b>Period:</b> 04-2001 – 02-2002	<b>Position:</b> Freelance	<b>Company:</b> Softwarehuis	<b>Sector:</b> Energy
<b>System:</b>	Different interface systems for the gas en electricity market.		
<b>Tools and skills:</b>	Oracle8i • PL/SQL • VB6 • Tuxedo • C • UNIX • sed • Java • ASP • HTML • FrontPage • XML • XSLT Access • Oracle Forms 4.5		
<b>Description role:</b>	<ul style="list-style-type: none"> <li>• Development of an interfact to British Gas mainframes using UNIX C and PL/SQL through teh Tuxedo middleware.</li> <li>• Development of PL/SQL packages for new Oracle 8i systems.</li> <li>• Development of a telemarketing system in VB6.</li> <li>• Development of a Customer Support System in ASP en Access.</li> <li>• Website odevelopment with Front-page, java applets, ASP. MSXML and XSLT were used to translate the stie into Dutch and German.</li> </ul>		

Oracle Analist Developer First Software, Manchester, UK			
<b>Period:</b> 10-2000 – 03-2001	<b>Position:</b> Freelance	<b>Company:</b> Software house	<b>Sector:</b> Government
<b>System:</b>	Housing, a social housing system.		
<b>Tools and skills:</b>	Oracle 8i • PL/SQL • Designer 2000 • Oracle Reports 6i • Oracle Forms 6i • UNIX • Pro*C shell scripting • SQL*Loader		
<b>Description role:</b>	<ul style="list-style-type: none"> <li>• Oracle Forms generation from Designer 2000.</li> <li>• Development and bugfixing of Oracle Forms, pll's and PL/SQL.</li> </ul>		

Oracle Reports Developer Littlewoods, Liverpool, UK			
<b>Period:</b> 10-2000 – 10-2000	<b>Position:</b> Freelance	<b>Company:</b> Retail via catalogs en web stores	<b>Sector:</b> Retail
<b>System:</b>	-		
<b>Tools and skills:</b>	Oracle 8i • Oracle Reports 6i • PL/SQL • HTML • OAS		
<b>Description role:</b>	<ul style="list-style-type: none"> <li>• Performance tuning and redevelopment of Oracle reports against a very large Oracle database.</li> <li>• Integration of Oracle reports in a intranet website hosted on an Oracle Application Server.</li> </ul>		

Analist Pprogrammer GlaxoSmithKline, Runcorn, UK			
<b>Period:</b> 04 2000 – 10 2000	<b>Position:</b> Freelance	<b>Company:</b> Production en development medicins	<b>Sector:</b> Pharmaceutical
<b>System:</b>	LIMS: Laboratorium Inventaris Management System.		
<b>Tools and skills:</b>	Oracle7 • VBA • VB5 • WinRunner • TSL		
<b>Description role:</b>	<ul style="list-style-type: none"> <li>• Production of van system documentation.</li> <li>• Design and development of Winrunner TSL code for the implementation of large quantities of data into a front-end of the LIMS.</li> <li>• Design and development of VBA Excel code for the maintenance of the data dna for the generation of TSL code.</li> </ul>		

VBA Excel developer Versatel, Amsterdam			
<b>Period:</b> 04 2000 – 04 2000	<b>Position:</b> Freelance	<b>Company:</b> Telecom	<b>Sector:</b> Telecom
<b>System:</b>	CIS, a customer information system.		
<b>Tools and skills:</b>	Oracle 8i • PL/SQL • VBA • VB		
<b>Description role:</b>	<ul style="list-style-type: none"> <li>• Development of a spreadsheet applicatie to maintain customer data.</li> <li>• Integratie of SQL*XL into this spreadsheet application.</li> </ul>		

<b>System Programmer Manchester Airport, UK</b>			
<b>Period:</b> 06 1998 – 03 2000	<b>Position:</b> Freelance	<b>Company:</b> Airport	<b>Sector:</b> Aviation
<b>System:</b>	AMOSS: Airport Management and Operations Support System		
<b>Tools and skills:</b>	Oracle7 • PL/SQL • VB5 • ODBC • Visual C++ • MFC • TCP/IP • serial comms		
<b>Description role:</b>	<ul style="list-style-type: none"> <li>• Design, implementation and support of the AMOSS system.</li> <li>• Reverse-engineering and re-implementation of a luggage sortation system originally built in mainframe RPG to VB5 and Oracle.</li> <li>• Design and implementation of different interfaces of AMOSS: luggage systems, Teletext, IVR (Interactive Voice Recognition), ACCORD (flight scheduling), etc.</li> </ul>		

<b>Analist Pprogrammer SCT International, Manchester, UK</b>			
<b>Period:</b> 12 1996 – 06 1998	<b>Position:</b> Permanent	<b>Company:</b> Software house	<b>Sector:</b> Energy
<b>System:</b>	BANNER CIS: Customer Information System. Billing module.		
<b>Tools and skills:</b>	Oracle7 • PL/SQL • Pro*C • UNIX • Forms 4.5 • SQL		
<b>Description role:</b>	<ul style="list-style-type: none"> <li>• Software development and bug fixing of Pro*C, PL/SQL and Oracle Forms 4.5</li> </ul>		

<b>Analist Pprogrammer ABN AMRO via DP Finance, Amsterdam</b>			
<b>Period:</b> 02 1996 – 09 1996	<b>Position:</b> Permanent	<b>Company:</b> Bank	<b>Sector:</b> Financial
<b>System:</b>	IRIS: a customer information system		
<b>Tools and skills:</b>	Object View • C • SQL		
<b>Description role:</b>	<ul style="list-style-type: none"> <li>• Building a front-end application in ObjectView against a DB2 database.</li> <li>• Development of a C interface between IRIS and MS Schedule+</li> </ul>		

<b>Analist Pprogrammer DP Finance</b>			
<b>Period:</b> 10 1995 – 01 1996	<b>Position:</b> Permanent	<b>Company:</b> Software house	<b>Sector:</b> Financial
<b>System:</b>	-		
<b>Tools and skills:</b>	Oracle 7 • PL/SQL • Developer 2000 • Designer 2000 • Oracle Reports 2.5 • Oracle Forms 4.5 SQL • SQL*Plus • Cobol • JCL		
<b>Description role:</b>	<ul style="list-style-type: none"> <li>• Intensive IT training: 2 months general IT and Cobol training. 4 months at Oracle Corporation in de Meern.</li> </ul>		