

**SPECIAL SKILLS**

**Technical skills**

<i>Programming</i>	<i>Operating Systems</i>	<i>Other</i>
<ul style="list-style-type: none"> <li>▪ Oracle PL/SQL, v. 7 - 10g (13+ years).</li> <li>▪ Borland Delphi, v. 4 - 7 (5 years).</li> <li>▪ CSS</li> <li>▪ HTML</li> <li>▪ Adobe Flex</li> <li>▪ PHP</li> <li>▪ SQR.</li> <li>▪ SqlWindows/Centura.</li> <li>▪ Clarion for DOS and Windows.</li> <li>▪ MS Access</li> <li>▪ VB</li> <li>▪ Turbo Pascal.</li> <li>▪ HP 3000 Pascal.</li> <li>▪ DataEase.</li> <li>▪ Enable.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Microsoft Windows: Windows 7, Vista, XP, 2000 (Server and Workstation), NT 4.0 (Server and Workstation), 95/98, 3.x, and MS-DOS</li> <li>▪ Linux: SuSe Linux 10.1, Redhat, Fedora Core, Ubuntu, CentOS.</li> <li>▪ OS/2</li> </ul>	<ul style="list-style-type: none"> <li>▪ <b>RDBMS: 13+ years Oracle 7/8i/9i/10g/11g, 5 years Interbase/FireBird, Sybase SQL Server, MySQL, Watcom SQL, MS Access, TopSpeed, SqlBase, BTrieve.</b></li> </ul>

**System / functional skills**

- 20+ years experience in the computer business, mainly as a software developer.
- 20+ years experience working with various customers, in various situations, and on various levels.
- 13+ Years experience with Oracle and Oracle PL/SQL
- 1+ Years experience with Adobe Flex (FlashBuilder)
- 12 years experience with data integration / data migration / data conversion.
- 12 years experience with client server technology.
- 4 years experience with Business Intelligence (Business Objects)
- 3 years experience with Oracle Application Servers.
- Experience with Full Software Development Life Cycle and Software Engineering practices.
- Experience with Agile software development, iteration cycles, iteration planning, and deliveries.
- Experience with multiple systems for ERP - Enterprise Resource Planning, CRM - Customer Relationship Management, Manufacturing, Project planning & Management, Retail, Invoicing and Ordering, data integration, document management, financial/accounting, production/supply, banking, shipping, parental mediation, dentist, library/bookstore/periodicals, CMS - Content Management System, and Multi Level Marketing
- Excellent interpersonal and communication skills.

## PROFESSIONAL EXPERIENCE

### USANA HEALTH SCIENCES, SALT LAKE CITY, UTAH (CONFIDENTIALITY, PLEASE)

Jan 2007 - Present  
Data Warehouse  
Engineer II  
(Full Time)

*Developer in the Data Warehouse team. Working with Usana's internal Oracle Data Warehouse.*

#### Tasks /assignments:

- Responsible in the IT department for the administrative part as well as the educational part of our department's Wiki pages (Using Daisy).
- QA responsible for all data loaded into the data warehouse.
- Created multiple Adobe Flex applications using BlazeDS and Java for my team, and also apps to be used by the company.
- Responsible all the universes in the Data Warehouse team used for Usana's report building.
- Responsible for reports used by managers in the IT department for "ticket tracking".
- Technical resource person for the other team members.
- Give SQL classes for other team members since I currently am the person within my team with most SQL knowledge.
- In the team I am called the "bridge" between the data load people and the business analysts.
- Working with new development, and customizations.
- Working directly with internal end users.
- Training end users in Web Intelligence (Business Objects) reporting.
- Creating most of my teams SQL and technically advanced reports.
- Changing existing PL/SQL packages that generates HTML based reports on Usana's old reporting portal.
- Creating a lot of analytical and complicated SQL queries to be used for reporting purposes using sub-queries, averages, case statements, etc. used for i.e. reporting to the executives.
- Working with Oracle's analytical database functions like NTILE, LEAST, FIRST\_VALUE, LAST\_VALUE, RANK, SUM OVER, etc.
- Created several reports for Usana's contests and promotions based on complex queries that I created myself, overriding the queries inside Web Intelligence, since our universes was not able to handle all the details of the contests. Working with end users and testers to be able to accomplish the tasks.
- Helping the team members to tune their SQL queries.
- Created a Word document that uses VBA to start Business Objects' Universe Builder and to pull out class and field information from any given universe. Used for universe documentation when going through the universes with the end users.
- Created a PL/SQL script using BULK INSERT to fill a distributor / business center hierarchy structure.
- Created a PL/SQL Package for the yearly "Usana Games"

	contest. The package is scheduled to re-calculate points every night during the contest period.
<b>Tools Used / Environment:</b>	TOAD, SQL Navigator, PL/SQL Developer, Oracle 9i/10g, PSPad, Business Objects XI, Web Intelligence, MS Access, VBA, Excel (for reporting purposes).

<b>TOMAX CORPORATION, SALT LAKE CITY, UTAH</b>	
<b>Jan 2004 - Jan 2007</b> <i>Software Developer 4</i> (Full Time)	<i>Software Developer working in the EI (Enterprise Integration) team. Working with new development and customizations for Tomax' customers. Working with Tomax' web based Retail.net enterprise retail system.</i>
<b>Tasks /assignments:</b>	<ul style="list-style-type: none"> <li>▪ Working with new development, and customizations.</li> <li>▪ Working directly with customers on production issues.</li> <li>▪ Performing customer support for customers in all phases by e-mail, phone, Skype, or on-site.</li> <li>▪ Writing technical documentations to be used by Tomax EI team developers.</li> <li>▪ Leader / sponsor for several smaller integration tasks, mostly where development performed in India.</li> <li>▪ Tuning and debugging of <b>PL/SQL</b> packages and <b>Oracle queries and views</b>.</li> <li>▪ Debugging and changes to forms created in <b>Oracle Forms</b>.</li> <li>▪ Changes to existing <b>Java</b> application, TIE.</li> <li>▪ Working with triggers and scripting.</li> <li>▪ Working with integration using <b>SQL*Loader, UTL_FILE, XML, DOM, XSD, DTD, flat files, external tables, records/collections, dynamic SQL, bulk inserts (FORALL), etc.</b></li> <li>▪ Planning and designing Tomax' next generation integration tools based on own ideas and initiative.</li> <li>▪ Writing technical documents for internal use on how to use <b>utPLSQL</b> unit testing packages for <b>Oracle PL/SQL</b>.</li> <li>▪ Taking initiative and was idea maker behind Tomax' existing customization repository and version numbering in <b>CVS</b>.</li> <li>▪ Working with <b>Oracle Queuing</b>.</li> <li>▪ Writing internal documentation for Tomax' EI team on code formatting and standardizations.</li> <li>▪ Creating convenience <b>scripts</b> in <b>Oracle PL/SQL</b> that are used by a lot of developers at Tomax.</li> <li>▪ Developing <b>Oracle PL/SQL</b> package that was wrapped around self developed <b>Java</b> class in <b>Oracle</b>.</li> <li>▪ Developing <b>Java</b> class/object residing in <b>Oracle</b> that communicated with customer's web services through a VPN tunnel.</li> <li>▪ Developing <b>Java</b> code to load large local text file into a <b>CLOB</b> field residing in an <b>Oracle</b> table.</li> <li>▪ Working with Agile development and cycles/iterations.</li> <li>▪ Participating in lots of phone meeting with customers for support and problem solving purposes, as well as status and work meetings.</li> </ul>

<b>Tools Used / Environment:</b>	PL/SQL Developer, TOAD, Eclipse IDE, PL/SQL, Oracle Forms 9i, and Oracle 8/9i/10g, PSPad, TextPad, Oracle AS 10g, CVS, WinCVS, SmartCVS, VSS, XML, DTD, XSD, Java, Altova XMLSpy, network spy tools, Linux, Unix, FileZilla, Lotus Notes, VMWare Workstation, VMWare Player, VNC, CygWin, Cisco VPN Client, WinSCP, ERP, Visio, Boomi, Skype.
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PRIVATE	
<b>Jan 2005 - Present</b>	<i>Private web development on my own spare time while working at Tomax.</i>
<b>Tasks /assignments:</b>	<ul style="list-style-type: none"> <li>▪ Planning and designing several different versions of a private web page (www.gettingbacktoeden.com) for personal use/hobby.</li> <li>▪ Setting up private <b>SuSe Linux 10.1</b> server with <b>Apache, MySQL, and PHP</b>.</li> <li>▪ Developing <b>Joomla!</b> templates using <b>HTML, CSS, PHP, and MySQL</b>.</li> <li>▪ Developing <b>Java</b> code to generate INSERT INTO statements (as well as other queries) based on <b>MySQL</b> metadata and <b>JDBC</b>.</li> <li>▪ Designing logos and banners using <b>Adobe Photoshop</b> and <b>GIMP</b>.</li> <li>▪ Maintaining <b>MySQL</b> database using <b>SQLYog Enterprise</b>.</li> <li>▪ Starting to develop integration tool using Eclipse and Java.</li> <li>▪ Adopting and adjusting existing <b>JavaScripts</b> to fit my own needs.</li> <li>▪ Studying a lot about <b>SEO</b>, and web page deployment.</li> <li>▪ Working with <b>Google AdSense</b> and several affiliate programs.</li> <li>▪ Setting up <b>Windows 2000</b> internal file and backup server. Working with domain servers, <b>DNS, DHCP</b>.</li> <li>▪ Setting up routing and firewalls to protect my internal network.</li> <li>▪ Reading books about <b>Java</b> as well as watching DVD course on <b>Java</b>.</li> <li>▪ Reading about/studying of <b>PHP</b> and <b>MySQL</b>.</li> </ul>
<b>Tools Used / Environment:</b>	Joomla! CMS 1.08/1.0.11/1.5, PHP, HTML, JavaScript, CSS, MySQL, Eclipse, FileZilla, PHPAdmin, SQLYog (for MySQL db), WAMP (Windows Apache MySQL PHP) server, Adobe PhotoShop, SuSe Linux 10.1, Samba, DNS, VMWare Workstation.

TRIBOS COMPUTING, HOKKSUND, NORWAY	
<b>Sep 2002 - May 2003</b> <i>Senior Consultant (Full Time)</i>	<i>Private owned company close to Oslo in Norway. Did all my accounting, invoicing, sales tax reports, and tax reports myself for.</i>
<b>Tasks /assignments:</b>	<b>STI / SYX - ShipYard Exchange (Oslo):</b> <ul style="list-style-type: none"> <li>▪ Responsible for the data integration part of a larger upgrade project where the customer's current data was being converted to fit our project team's data model.</li> <li>▪ Writing <b>Oracle (9i) PL/SQL</b> integration package to convert all existing data as well as inserting new data values.</li> <li>▪ Writing several scripts to be run before and after the data</li> </ul>

	<p>conversion routines were run.</p> <ul style="list-style-type: none"> <li>▪ Working directly with STI, and their customer, SYX, on all the integration aspects of the project.</li> <li>▪ Working with developers so they could adapt their Oracle Forms code/forms to fit the converted data and to assure that all the necessary data was either converted or created.</li> <li>▪ Working closely with technical responsible on the project to assure that all code and script files in the project were developed with comments and global strings that would fit with the project's VSS setup.</li> </ul> <p><i>Sunt &amp; Godt Bakery, Skotselv:</i></p> <ul style="list-style-type: none"> <li>▪ Developing computer based system for bakeries using <b>Borland Delphi</b>, and <b>FireBird (Interbase)</b>. First version was developed in <b>MS Access</b>.</li> <li>▪ Creating advanced ordering and invoicing modules to fit customer's need.</li> <li>▪ Creating data conversion and data loading tool to transfer the customer's existing data residing in UniMicro financial system.</li> <li>▪ Working with UniMicro developers to work out data transfer formats for data being exported from UniMicro.</li> <li>▪ Working with users, invoicing and ordering responsible, as well as managers to fulfill all needs.</li> <li>▪ Buying parts, building, and setting up customer's file/database server and transferring all common data and user data from existing servers, and user machines.</li> <li>▪ Setting up all client software needed.</li> <li>▪ Setting up <b>Veritas Backup Exec</b> software and DAT streamer for backup of customer's data.</li> <li>▪ Supporting customer through phone, on-site, and e-mail.</li> <li>▪ Writing user manual and technical documentation for project.</li> <li>▪ Helping customer to fix data on several occasions when invoicing responsible had automatically generated several hundred single and collective customer invoices with wrong dates or other data.</li> <li>▪ Establishing network in customer's bakery building by setting up routers, switches, ISDN router, Internet connection, Proxy server, creating CAT 5 network cables throughout parts of the building.</li> </ul>
<b>Tools Used / Environment:</b>	Oracle 9i, Oracle PL/SQL Developer, TOAD, VSS, SQL*Plus, Borland Delphi 6/7, Interbase (Firebird), MS Access, MS Windows 2000 Server, Veritas Backup Exec.

<b>STI AS, ASKER, NORWAY</b>	
<b>Sep 1997 - Sep 2002</b> <i>Senior Consultant</i> (Full time)	<i>Worked for one of Norway's leading Oracle partners to do Oracle consulting. Was hired out to STI's largest customer, IFS Norway (www.ifsab.com), from day one. Participated in various roles on several of IFS' customer projects.</i>
<b>Tasks /assignments:</b>	<i>Moxy Trucks, Molde, Norway:</i>

- Technical responsible.
- Responsible for data conversion / data integration .
- Creating data conversion packages in **PL/SQL**.
- Performed installations of IFS Applications both locally at IFS and on-site at customer's location.
- Developing reports based on specifications from customer, whereof some of the reports had barcodes on them.
- Main resource together with project manager when customer went live with their production database.
- Created forms using **SqlWindows** based on specifications from customer.
- Main support person for test and live issues.

*Flooring, Norway:*

- Minor adjustments on IFS' existing system at this customer using **Centura** and **Oracle PL/SQL**.

*Brattvåg, (shipping company), Norway:*

- Responsible for data conversion using **Oracle 7 PL/SQL**.

*Unitor ASA (www.unitor.com), Oslo, Norway:*

- Responsible for all data integration aspects on the largest project in IFS' worldwide history which lasted for 2 1/2 - 3 years due to geographical roll-outs and enhancements/functionality that sometimes were different from location to location, and country to country.
- Creating data conversion tool using **Oracle PL/SQL** and **Centura** to be used by Unitor themselves to convert data from their main AS/400 system as well as all their local offices throughout about 80 countries into one single Oracle database instance. The GUI based tool was created using **dynamic SQL, PL/SQL tables**, and was very technically advanced with possibilities to filter data from the text files that was to be converted and loaded into the project's data model / tables. This tool became one of the standards for data conversion to be used by IFS Norway as a company.
- Main data conversion resource on the many roll-outs.
- One of two main technical resources on the project when it came to builds, releases, technical documentation, debugging, and installation.
- Creating several scripts and queries based on converted data to be used by Unitor as a presentation on their meetings in Holland when discussing their data warehouse systems.
- Writing technical documentation to be used by all developers in the project, for use of version control system, commenting and formatting of code, naming conventions, etc.
- Responsible for a lot of debugging in **PL/SQL** and **Centura** based on reports and feedback from Unitor both in test and live phases.
- Managed to figure out the reason for an error situation that

	occurred frequently that several IFS developers (whereof two from the R & D department) had had to give up on figuring out the issue(s).
<b>Tools Used / Environment:</b>	Oracle 7/8, SqlWindows/Centura, ReportWindows, TOAD, PL/SQL Developer, several of IFS' internal development tools, CCC/Harvest.

<b>NOR EDB AS, VØYENENGA, NORWAY</b>	
<b>Mar 1995 - Sep 1997</b> <i>Computer Consultant (Full Time)</i>	<i>Started working for NOR EDB as a consultant through a consulting company. NOR EDB chose to hire me on a full time basis. NOR EDB was a little company (the owner/sales representative, another developer, and me) where I became the lead developer.</i>
<b>Tasks /assignments:</b>	<ul style="list-style-type: none"> <li>▪ Responsible for setting up the company's <b>Windows NT</b> file server and database server.</li> <li>▪ Assisting owner when setting up network (server, printers, and CAT 5 cabling) for a couple of the company's customers.</li> <li>▪ Creating a caseworker system, called SamWin, in <b>Clarion for Windows</b> using <b>TopSpeed</b> "database". System is today the main system to be used in all government based parental mediation offices (about 60) in Norway. The system contained menus, calendar and scheduling module, notes module where the notes/document would be checked out to a local or network drive while editing and then saved into the database again.</li> <li>▪ Writing user documentation for SamWin.</li> <li>▪ Giving some of the user training to the users of SamWin.</li> <li>▪ Creating a data migration tool called RubIMP using Borland <b>Delphi 4/5</b>. RubIMP was created mainly to import data into Rubicon financial system from various other financial systems, but was created to be very flexible. The application received a standing applause when presented at a sales rep. event at the head office of the makers of Rubicon. RubIMP contains a lot of very technical advanced string manipulations and use of memory tables. Several new classes/objects had to be created to be able to create the full application.</li> <li>▪ Creating an invoice, ordering, sales system using <b>Borland Delphi 4 Server Edition</b> and <b>Interbase</b> database for a customer that buy eggs from producers and sell to different grocery stores. I was the main developer on this system and made all the templates, classes/objects, code libraries, etc. to be used in the application. The application contained an advanced ordering module, a module to be used by sales reps. when calling the grocery stores which automatically sent signals to the phone system so that the sales rep. could double click on the customer id and the system would automatically call the customer using the phone system and the sales rep.'s headset. The application also consisted of several advanced modules for calculation of egg weight, packaging, storing order on pallets, etc.</li> </ul>
<b>Tools Used /</b>	Borland Delphi 4/5, MS Access, Borland Interbase, Clarion (DOS /

<b>Environment:</b>	Windows), TopSpeed, VB.
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<b>FREELANCE CONSULTANT, HOKKSUND, NORWAY</b>	
<b>May 1993 - Mar 1995</b>	<i>My own company. Worked with various customers.</i>
<b>Tasks /assignments:</b>	<ul style="list-style-type: none"> <li>▪ Different small projects using tools like <b>Clarion Professional, Enable, SQR</b> (Structured Query Reporter), <b>Visual Basic</b>, MS Access and SqlWindows 3.x.</li> <li>▪ Creating an inventory system for a hospital in Oslo using MS Access.</li> <li>▪ Creating a system for the library in a large company (SFT - www.sft.no) in Norway to keep track of periodicals like magazines, newsletters, etc.</li> <li>▪ Creating several reports using <b>SQR</b> against a <b>Sybase</b> database for the company in Norway that is in charge of the installations of all the payment terminals in Norway (www.bankaxept.no).</li> <li>▪ Creating a membership system for a christian organization in Oslo using <b>Clarion for DOS</b> and <b>TopSpeed</b>.</li> </ul>
<b>Tools Used / Environment:</b>	Clarion for DOS, SQR, MS Access, Visual Basic, SqlWindows, Sybase.

<b>ICL DATA, OSLO, NORWAY</b>	
<b>Sep 1990 - Feb 1993</b> <i>Computer Consultant (Full Time)</i>	<i>Working with RS90 (Norwegian version/edition), ICL Data's largest retail system for grocery stores, convenience stores, and gas stations.</i>
<b>Tasks /assignments:</b>	<ul style="list-style-type: none"> <li>▪ Responsible for RS90's 25-30 user interfaces for reports and the reports themselves.</li> <li>▪ Creating user interfaces using <b>SqlWindows 2.x</b> for <b>OS/2</b>, and <b>Gupta SQLBase</b>.</li> <li>▪ Creating reports using <b>SQR</b> - Structured Query Reporter.</li> <li>▪ Responsible for menu system, developed as a MDI window using <b>SqlWindows</b>.</li> <li>▪ Technical resource with responsibility to set up computers - installing software, network cards and making the computers communicate with the servers using Lan Manager network.</li> <li>▪ Creating a special program using printer codes on a Kyocery laser printer and a DOS based program to print out posters for the grocery stores using RS90 retail system.</li> </ul>
<b>Tools Used / Environment:</b>	SqlWindows 2.x for OS/2, Gupta SQLBase, SQR, OS/2, Lan Manager.

<b>FREELANCE CONSULTANT, HOKKSUND, NORWAY</b>	
<b>Jun 1990 - Sep 1993</b>	<i>My own company. Worked as a freelance consultant for Unisys Norway.</i>
<b>Tasks /assignments:</b>	<ul style="list-style-type: none"> <li>▪ In the last semester of my computer academy (Datahøgskolen), we had a project for Unisys Norway in Oslo. We created an application using <b>Enable</b> to keep track of the use of the <b>Novell</b></li> </ul>

	<p>network at Unisys. The input was log files from <b>Novell</b>. Since I was the most technical person of the six members of the project group, I made special binary files based on the information from the log files using <b>Turbo Pascal</b>.</p> <ul style="list-style-type: none"><li>▪ After the project was finished, Unisys Norway wanted me to work for them as a freelance computer consultant. Did several small projects using Enable.</li></ul>
<b>Tools Used / Environment:</b>	Novell network, Enable, Turbo Pascal.