

Personal

Name Kim Gabrielsen
Company PentaConsult Aps
Address El Mirador del Principe
Edif. 2, Atico F
City 29603 Nagueles - Marbella
Spain
Age 50
IT experience: 25 years
Education Computer Science
Telephone +45 2625 3138
Email kim@pentaconsult.dk
Languages Danish
English
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Profile summary

I have worked as an IT consultant for more than 23 years – and as a freelance consultant for the past 17 years.

I have a very strong background in database design, data analysis, data architecture and data modeling – primarily using Oracle databases. I have extensive experience in PL/SQL programming, data warehouse design, implementation and ETL processes using Oracle warehouse builder. I've good knowledge of and have worked with OBIEE and Discoverer as BI tools and Reports builder as reporting tool.

Furthermore, I am highly experienced in the development of Web applications based on Oracle ADF, JEE using Glassfish or Weblogic, PHP Zend and WebServices.

In addition to systems development, I am also an experienced DBA, primarily on Oracle databases and application servers. Additionally extensive knowledge of SQL server as well as MySQL.

My main interests today are open source based - primarily Hadoop, noSql and the ecosystem growing around it. I have comprehensive knowledge about how to install, configure and using Hadoop including writing MapReduce objects to transform data. For storing data I certainly know the difference between SQL and noSQL databases and the different types of noSQL databases in existence. I have knowledge of tools used for predictive analytics.

But I lack project experience.

Organisationally, I have experience communicating with CEOs, CIOs and other consultants and IT staff, as well as users within organisations of various sizes and complexities.

I am good at documenting my work, and I have excellent general business skills and understanding of the industry.

Personally, I work equally well as part of a team or on independent assignments and have no problem sharing experience and know-how with other project participants.

I have worked in the following sectors:

Telecommunications, Utilities, Mobile Systems, Banking, Industry, Retail, Public, Administration, E-Commerce

Technical experience:

	Experience In years	Experience level	Last used
Experience areas			
Developing database applications	20	High	2016
Developing WEB solutions (Jee + PHP)	15	High	2016
IT Architecture	10	High	2016
Datawarehouse	5	High	2015
BI	10	Medium	2015
ETL	10	High	2015
Function experience			
Analyst/designer	15	High	2016
Programmer	25	High	2016
Oracle database administrator	10	High	2015
SQL Server DBA	1	Average	2011
Operations staff	7	High	2011
Programming languages and development tools			
Java	15	High	2016
SQL	17	High	2016
PL/SQL	15	High	2015
JavaScript	7	High	2016
Ajax	2	Average	2013
Perl	1	Average	2009
PHP	12	High	2016
HTML	5	High	2016
XHTML (Strict + mob)	2	Average	2012
DHTML	2	Average	2011
XML	3	High	2011
XSLT	2	Average	2011
CSS	3	Average	2016
BigData and noSQL			
Hadoop	2	Average	2014
MongoDB	1	Average	2014
Hbase	1	Average	2014
Flume	1	Average	2014
Hive	1	Average	2014
Pig	1	Average	2014
Mahout	1	Average	2014
RHadoop	1	Average	2014
Databases			
MySQL	16	High	2016
Oracle	14	High	2015
Firebird	1	High	2009
SQL Server 2005	3	Average	2011
PostGres	4	High	2016
Oracle			
Oracle RDBMS vers. 7	3	High	1999
Oracle RDBMS vers. 8	2	High	2001
Oracle RDBMS vers. 9i	3	High	2007
Oracle RDBMS vers. 10 G	3	High	2011
Oracle RDBMS vers. 11 G	7	High	2016
OBIEE	1	High	2014

Oracle RMan	2	Average	2011
Oracle SQL*Plus	12	High	2015
Oracle Forms vers. 4.5 - 6I - 10G(web)	10	High	2015
Oracle Reports 2.0/2.5/3.0/10G	8	Average	2015
Oracle SQL*Net	5	Above average	2007
Oracle SQL*Loader	7	High	2007
Oracle Discoverer/2000	3	High	2008
Oracle IAS 9i	2	High	2006
Oracle IAS 10G	4	High	2011
Oracle OMS (Grid Control)	2	Average	2010
Oracle JDeveloper 10G-12G	5	High	2014
Oracle ADF	3	High	2014
Oracle Warehouse Builder	1	Average	2011
Oracle Weblogic 10.3 – 12c	4	Average	2014

Java Technologies and APIs

JEE (general)	8	High	2016
JSF	7	High	2016
EJB 3	4	High	2016
Shiro	2	High	2016
Apache Commons	3	Average	2016
Servlets	6	High	2012
JSP	6	High	2011
Jasper Reports	1	Average	2008
Mail	3	High	2009
SQLJ	1	High	2000
JDBC	4	High	2011
Portlets	1	Basic	2008
Log4J	4	Average	2009

Java Frameworks

Primefaces	6	High	2016
Struts 1	5	High	2008
Struts 2	1	Average	2011
Hibernate	1	Average	2011
Spring – Core	1	Average	2009
Spring – MVC	1	Average	2009

Middleware

Jboss – wildfly	1	High	2016
Glassfish	6	High	2016
Apache Tomcat	5	High	2013
Apache Web Server	12	High	2016
Apache Geronimo	1	Average	2009

Operating systems

Windows 3.1 – 7	3	High	2016
Linux	16	High	2016

Other tools and methods

ZEN Cart	2	High	2011
NetBeans	5	High	2014
Eclipse	5	Average	2012
Zend (PHP Framework)	4	High	2014
Doctrine2	2	High	2014
Magento	1	Average	2009
Design Patterns	5	High	2011

ITIL	3	Average	2014
Scrum	3	Average	2015
BEC Remedy (database part)	1	Average	2014
Subversion	5	High	2016
Git	2	Average	2016

Project experience:

1999-: Freelance consultant

IQTools

May 2012 -

Roles: Java programmer, Data modeller, Analyst, Architech, DBA

IQTools is a system used for marketing and development of marketing campaigns. It is heavy on statistics using cluster analysis to reach the intended market audience. The system is still in development, but should reach the initial test phase second half of 2014.

Tools: JEE, EJB 3, JPA, JSF, PostGreSQL. Glassfish, NetBeans. SQL. Shiro, EPay, REST, Redmine, Subversion, Primefaces, Oracle ADF, JDeveloper

CBS – Copenhagen Business School

Mar 2009 –

Roles: PHP programmer, Java programmer, Data modeller, Architech, DBA

Analysis, redesign and implementation of conference management system. The existing system was implemented in traditional PHP, which made it difficult to maintain and expand. I designed and implemented the system in OOPHP using Zend and PHP Outlet, resulting in razor-sharp divisions between business logic and presentation logic. I am responsible for continued maintenance and expansion of the system.

I'm rewriting the system using Oracle ADF Essentials.

Tools: OOPHP, MySQL, PHP Outlet, Design Patterns, Zend, jQuery, DIBS, Oracle ADF, Shiro

Visma

Feb 2015 – Dec 2015

Roles: Java programmer, architect, analyst

I worked as a Java / JEE programmer on this project developing tools to report fishery data to the EU using EU developed tools and protocols all based on the SOA principle and messaging. I worked in close cooperation with the data specialist in the ministry for fishery.

Furthermore I was responsible for a forms and reports upgrade and administration of the WebLogic 12c application server.

Tools: Java, JEE, Oracle, Weblogic, Forms, Subversion, Eclipse, Camel, Jboss, Git

DR – The Danish Broadcasting company

Nov 2014 – Dec 2014

Roles: PHP programmer, Security analyst

I participated on a general security audit on a lot of older PHP scripts. I made a report of my findings and recommendations. In coopertion with the customer we deiced what scripts to scrap and what scripts to rewrite to make them secure.

Tools: PHP, MySql

Visma

Aug 2014 – Okt 2014**Roles:** ADF architect and specialist

My role was to participate on a tender for Visma in order to win a contract to extend and develop a project called DANS. DANS is a system designed for students to apply for courses and studies abroad as well as foreign students who want to study in Denmark.

DANS is written in Oracle ADF and I estimated and advised on how to implement new functionality as well as extend current functionality.

My future role on the project was to be project led and architect.

Tools: ADF, JDeveloper, Subversion, Oracle DBSM, WebLogic**Nordea****Apr 2013 – May 2014****Roles:** DW/BI/Data architect, Analyst, ETL Programmer, WebLogic Admin.

I designed and implemented a data warehouse and additional BI reporting from scratch. First as a POC but it was later turned into a full scale warehouse.

It contains a wide range of data regarding Nordeas infrastructure and incident management primarily extracted from BEC Remedy. Other data sources are added consecutively.

My role was to contact all stakeholders to uncover need for reporting and ensure that the data was present.

I programmed the ETL layer to extract data from Remedy and created the dimensional model to contain the data.

Furthermore I created the OBIEE RPD, several reports and administered the WebLogic server.

Tools: OBIEE, PL/SQL, Oracle 11g, WebLogic, Git, ITIL, BEC Remedy**MobileClubbing****May 2007 – Jul 2012****Roles:** PHP programmer, Java programmer, Data modeller, Architect, DBA

MobileClubbing is a tool for people who like to go out clubbing which allows them to see via their mobiles what the nightlife has to offer.

I am responsible for all technical aspects of the project: database design, application server, data extraction, programming and pages for the administration and input of club data.

We are in the process of rolling out the system in Asia.

Tools: JSP, Tomcat, XML, MySQL, Hibernate, Geronimo, Struts, Servlets, WML, XHTML, JavaScript, Unwire, TelcoPay, PHP, Zend

KMD

Jan 2012 – Mar 2013

Roles: Forms/Java programmer, Data modeller, Architect, ETL Programmer, WebLogic Admin.

I worked on a project called PANDA used by the companies distributing electricity in Denmark for billing and statistical purposes. Of special interest is data collected from wind turbines and solar panels. The data is collected automatically from the source and fed directly into the database. End users are able to see exact production figures from every item on the net for a given period of time. My primary task was forms programming plus maintaining and extending the data warehouse. My role was as PL/SQL programmer, ETL Programmer, Java programmer and Weblogic Administrator.

Tools: Oracle Database 11G, PL/SQL, Oracle Forms, Weblogic, Java, Subversion.

Danish Road Directorate

Feb 2004 – Dec 2011

Roles: Forms prog. Java prog. DBA, WebLogic Admin, DW/BI/Data architect

Project description: Put simply, I participated in the daily operation of databases and application servers. I also developed various applications in J2EE, Struts, Forms and Reports. Single-handedly responsible for upgrading from Forms 6i to 10g – incl. Application Servers. Participated in upgrading of many databases from 9i to 10g. Participated in specification of data warehouse for collecting traffic data.

Also provided user support and contact to, as well as follow-up on, external suppliers and consultants.

I participated in the analysis and implementation of a dataware house pilot project, including ETL procedures and user interaction.

Tools: J2EE, Struts, IAS 10g, Oracle 10g, Forms 10G, Reports 10G, Designer, Oracle ADF, CVS, Subversion, SOAP, XML, Oracle warehouse builder

PFA

Apr 2010 – Mar 2011

Roles: SqlServer/Oracle DBA, Java/PL/SQL programmer

I worked in daily operations with DBA tasks on both SQL Server 2005 and Oracle. I was also responsible for ensuring consistent data across the development and testing environments. As part of load of data optimisation from production to the respective environments, I developed processes and procedures for moving the production database using transportable tablespaces in the Oracle environments. This made it possible to load environments in hours rather than days. I was also responsible for anonymising personal data in non-production databases.

Tools: Oracle 10g, SQL Server 2005, PL/SQL, ClearCase, Access, RMan Java, ClearCase

Miracle A/S

Nov 2009 – Jan 2010

Roles: Forms/Reports programmer

Participated in the specification of SAP integration between Maersk Oil and Gas' new SAP system and their existing portfolio of proprietary systems for handling well data, personnel data and other administrative information. I adapted existing forms and reports so that they could be used in the new system.

Tools: Oracle 10g, Forms 10g, Reports 10g, IAS 10g, PL/SQL

Danish Food Industry Agency (DFFE)

Aug 2009 – Oct 2009

Roles: PL/SQL programmer, Analyst

DFFE administers European Union schemes concerning hectare support for the agricultural sector. The application they use in this connection needed further development and error correction in

accordance with current legislation and EU directives. I contributed to the project with analysis, design and programming.

Tools: Oracle 10G, PL/SQL, JIRA, ASP, .Net, Toad

De Gule Sider (Danish Yellow Pages)

May 2009

Roles: PL/SQL Programmer

The customer needed to communicate directly with a supplier's Web service from the database. I implemented a PL/SQL layer between the backend system and the supplier for exchanging business data.

Tools: Oracle 10G, PL/SQL, utl_http, SOAP, XML

MAN Diesel

Feb 2009 – Apr 2009

Roles: Perl/C++ Prog.

The assignment was to remove a MySQL database from a real-time system and replace it with a Firebird database, as well as to document the new solution.

Tools: C++, MySQL, Firebird, Perl, SQL

Zeromobil

Nov 2007 – Mar 2009

Roles: SQLServer DBA, Java JEE programmer, DW/BI/Data architect

ZeroMobil is a mobile phone company whose concept is based on the user viewing ads on their mobiles against compensation. I was responsible for implementing various Web systems for user self-service, reports and statistics for use by the CEO and CIO, as well as data quality. I also implemented a small data warehouse.

Tools: SQL Server 2005, Struts 2, Geronimo, EJB 3, JSF, Java Mail, J2EE, Hibernate, PHP, Zend

CBS – Copenhagen Business School

Dec 2008 – Jan 2009

Roles: Analyst, Architect

Documentation of existing PHP-based conference system and consulting on further development of the system with a view to meeting future requirements. I gave the customer input on using Design Patterns in PHP and on using the Zend framework.

Tools: PHP, Zend, Design Patterns

SDC – Scandinavisk Data Center A/S

Jun 2008 – Sep 2008

Roles: Java programmer

SDC was in the process of redesigning their entire infrastructure relating to the bank system's communication with external devices such as cash registers, card readers and signpads. I drew up the analysis/design document for SDC for the implementation of a new architecture for the core system's communication with signpads. I also defined screen images and field mappings using XML as well as the QA on the code provided by the sub-supplier.

Tools: Java, XML, OPOS

CBS – Copenhagen Business School

Jan 2008 – Apr 2008

Roles: Analyst, PHP/PLSQL programmer, DW/BI/ETL programmer

I supplied various data extractions and reports for student full-time equivalents reporting.

These reports are used by the Danish Ministry of Education to pay CBS according to “produced” full-time equivalents. I also adapted their E-commerce solution to card payment and LDAP support.

Tools: Oracle, Oracle Reports, Oracle Discoverer, Oracle Application Server, PHP, ZEN Cart, LDAP

DSB (Danish state railways)

Aug 2003 – Jan 2004

Roles: Analyst, Java/Forms/PL SQL programmer

DSB uses the system in connection with the development of new railway timetables. It contains information on all rolling stock as well as data on stations etc. I developed the user interface in Oracle Forms for maintenance of master data. I also programmed Java programs for extracting and displaying circuit chains.

Tools: Oracle 9i, Java, JDBC, Oracle Forms

Hempel Paints A/S

Apr 2003 – Aug 2003

Roles: BI/DW/ETL Programmer, PL/SQL programmer

The customer had a combined report/OLTP server with extremely poor performance.

My job was to split the two servers up into a reporting part and a data input part. In the process, the reports needed to be optimised and further developed. I also participated in specification and implementation of parts of Hempel's data warehouse.

Tools: Oracle 9i, Oracle 9i AS, Oracle Discoverer, PL/SQL, RMan

WM-data

Mar 2003 – Apr 2003

Roles: Reports/PL/SQL programmer

Rail Net Denmark has a database comprising all rolling stock and the associated railway timetables. They wanted a number of reports based on data extracted from this database. I was the programmer on the project.

Tools: Oracle 9i, Reports, PL/SQL

Servicebureau

Jan 2003 – Aug 2008

Servicebureau is a temp agency

The customer converted from manual management of their temp team to a fully integrated Navision-based temp management system.

I carried out all the hardware installation and set-up of the wireless network and Internet connection. On the software side, I developed a Web-based customer database with full historical data on contacts and advanced search functions. The system is based on JSP, Servlets and Java Beans modelled on an MVC design pattern. The next step will be to introduce PHP GroupWare to integrate calendar functions and meeting activities. I was also responsible for daily IT support. The collaboration ended in August 2008 due to time constraints. I have helped them find another supplier specialising in support and operations.

Tools: MySQL Database, Java Servlets, JSP, Java Beans, JDBC, PHP, J2EE

Orange Denmark**Sep 2001 – Jan 2003****Roles:** Java programmer, DW/BI/ETL Programmer, Analyst, Data architect

This data warehouse was used internally by Orange to manage the consumption and remaining calling credit for all prepaid mobile phone customers. The users were the marketing and finance departments. The original data warehouse was no longer sufficient as the architecture did not scale to the level needed to accommodate more than 1 billion rows. It contained everything from the first manipulations of the original CDRs they received from the IN system to operate and aggregate the data. My job was to implement a future-oriented DW solution and develop new and improved reports. The reporting structure was based on JSP, Servlets and modelled on the MVC architecture. Furthermore, I introduced CVS in the project and initiated the use of ANT. I was an analyst, designer and programmer on the project.

Tools: Oracle 9i, Designer 6i, HTML, SQL, PL/SQL, Servlets, JSP, XML, Tomcat, OCI, ProC, Perl, LDAP**IBM Denmark****May 2001 – Aug 2001**

I participated in the analysis, design and programming of insurance products for a number of smaller insurance companies. All products were based on a framework called TIA and they were all fairly standardised to achieve as high a degree of reuse as possible.

Tools: Oracle 8i, Forms 6i, PL/SQL, SQL**Novo Nordisk Engineering****Feb 2001 – Apr 2001**

Novo Nordisk Engineering replaced their existing paper workflow with an Intranet application for staff hiring and localisation. When a new employee is hired, a secretary starts the flow, other relevant departments then do their part, and finally, the flow is terminated when the HR department has controlled and verified the data. I expanded the application in collaboration with the users of the system, primarily secretaries, and documented the expansions.

Tools: Oracle 8i, Oracle App. Server (IAS), Designer 6i, HTML, SQL, JavaScript**IBM / Skanska****Dec 2000 – Jan 2001**

The customer was looking for a budget-management system that was better than the standard in Oracle Financials. I programmed the necessary expansions and adjustments.

Tools: Oracle Applications 11.03, Forms 4.5**Danske Bank (Danica)****Oct 2000 – Dec 2000**

The customer wanted to utilise the open standards that form the basis for intranet technologies but also wanted to reuse the business logic, which was written in PL/1 and executed on a mainframe.

The first part of the assignment was to design and program screen images for use of HTML, J200/JavaScripts and Applets. The next step consisted of integrating these screens with the old PL/1 programs. The third and final step was to evaluate EJBs as technology for future systems development.

Tools: Java, Applets, HTML, JavaScript, EJB, CSS, DOM**Buddinge Traelasthandel****Jan 2000 – May 2008**

The "customer" went from non-computerised operations to a fully integrated IT installation with main emphasis on the POS part for supporting daily customer service. The POS part runs on an

AS/400 with DB2 as a database. I wrote a number of applications for data extraction. Part of the assignment consisted of installing a little intranet (20 computers plus 3 servers) linked to the Internet. I chose to use Linux as the operating system on all machines and used several technologies that are normally only used in large networks, incl. LDAP and NIS+ for user verification. The firm belongs to my father, so it is my playground where I can test new technologies and tools and gain basic practical experience.

Tools: Linux, OS/400, NIS+, DHCP, MySQL, Java, LDAP, tn5250, SQLJ, Applets, Servlets, IP-chains (firewall), HTML, XML, EJB, JBoss

Maersk Data

May 2000 – Jul 2000

The customer wanted to restructure its existing systems into a solution based on the finance module in Oracle Applications. However, this solution is particularly network-intensive, which cannot be supported by all sites due to insufficient bandwidth. We designed a solution that ran parallel with Oracle without the same requirement. I designed the security side of this project as well as participating in the development of the code standards. I also programmed tools for automatic generation of C++, PL/1, VB, HTML and other languages.

Tools: Oracle DB 8i, Oracle App., C++, Visual SourceSafe, ProC, LDAP, IBM MQSeries

Danish Ministry of Foreign Affairs

Nov 1999 – May 2000

In connection with the customer's implementation of Oracle Applications, they wanted a number of reports for extractions of personnel data at departmental level as well as across the organisation. I implemented these reports, instructed the users in the end-user tool and follow-up in various standards.

Tools: Oracle DB, Discoverer, Oracle Reports, SQL, PL/SQL

Herlev Hospital

Aug 1999 – May 2000

The system is for gathering and processing data in connection with ultrasound scans on pregnant women. The data is collected centrally and can be used to extract information related to general public health. The long-term aim is to sell the system to other hospitals and GPs in order to achieve a very high degree of precision in the collected data. The system was developed in close collaboration with leading ultrasound specialists.

Tools: Oracle Designer/2000, Oracle WEB Application Server, Oracle DB, HTML, JavaScript, XML, Java SQL, PL/SQL

Lundbeck

Jun 1999 – Nov 1999

The assignment consisted of analysing and documenting a WEB system developed by another consulting firm. Because of the customer's dissatisfaction with the other firm's work, the assignment was to document the existing WEB system handed over to us. We also provided input regarding standardisation, organisation and further development of the customer's Web applications portfolio.

Tools: Oracle Designer/2000, Oracle WEB Application Server, Oracle DB, HTML, JavaScript, SQL, PL/SQL, Java, Context Cartridge

Flymaterielkommandoen (part of the Danish Air Force)

Apr 1999 – Nov 1999

Flyvis is a component management system for handling all components installed in airplanes and helicopters so that it is possible at any given time to obtain an overview of all the service and inspection intervals of each component installed. I was responsible for analysis, design and

programming of parts of this system in close dialogue with the responsible users. I have been granted security clearance in connection with this project.

Tools: Oracle Designer/2000, Oracle DB, Oracle Developer, Headstart, Windows NT, VMS, Microsoft Visual SourceSafe, SQL, PL/SQL

1997-1999: Cap Gemini
Systems Consultant

- design and optimisation of database as well as responsible for keeping Oracle database server operational. Oracle RDBMS vers. 7.3, Visual Basic, Access, ODBC, Windows NT
- Development of booking and resource allocation system, including overall design of system, programming of Visual Basic Forms, QA of user interface and installation, configuration, optimisation and programming of the Oracle server part. Visual Basic, DCOM, Windows NT, OS/2, Oracle database, Oracle programmer/2000
- Converting of FORTRAN file-based programs to database-based programs – Design and implementation of application for handling production data – C++ class hierarchies for encapsulation of TCP/IP for transfer to Linux
- Programming of Oracle Forms for data input in the production database
- Programming of various reports for extraction of data
- Design and programming of various C/C++ programs for handling and converting production data
- End user support

1994-1996: IBM Denmark
Systems Consultant

- Programming of FORTRAN routines for use in portfolio calculations. DB2, MVS, FORTRAN
- Development of systems management application, including development of software for handling communication between DB2 and Smalltalk interface, analysis and design of database; responsible for systems testing and QA of user interface. DB2, MVS, C++, Smalltalk, OS/2, DDCS
- Development of real-time system for handling communication, including responsible for design, specification and programming of part of the core, design and programming of user interface. OS/2, TCP/IP, OMT, NetBios, C++
- Development of protocols and communication layers in connection with application for petrol stations. Originally written for NetBios but rewritten using sockets on OS/2
- Design and programming of an integrated information system for airports, including design and programming of subsystem with data for information boards and check-in functionalities, ensuring consistency across the user interfaces, development of Oracle Forms and Report and test modules. C++, Windows, AIX, TCP/IP, Visual Basic, Oracle: PL*SQL + Developer/2000