Curriculum Vitae

Force4Solutions

Microsoft Business Intelligence – Databases – Windows Solutions

Sirp-Jan Mulder
Senior Consultant

Sirp-Jan Mulder

Consultant

Personal details

Name	Mulder
Initials (first name)	S.J. (Sirp-Jan)
Year of birth	1970
Residence	Leidschendam, The Netherlands
Nationality	Dutch
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Email	SJMulder@force4solutions.com

Profile

The candidate is a Microsoft Business Intelligence consultant that has shown in many projects to be successful in connecting people and technic.

People know what creates value for the business, they understand the processes and know the information they really need to make that difference. The candidate has a very solid and strong analytical and technical background, is capable of abstracting complex problems and building generic solutions and gets his energy by overcoming innovative challenges and creating success with others. Success is all about working together, being a team, combining strength and knowledge and having this good successful feeling afterwards due to each other.

Employment History

Period	Company	Function
2009 -	Force4Solutions	Consultant
2008 – 2009	DIKW	Consultant
2006 – 2008	Artena Business Consulting	Consultant
1991 – 2006	LogicaCMG	Consultant

Industry experience

- Banking
- Biochemistry
- Education
- Government
- Healthcare
- Payroll Processing
- Petrochemical
- Police
- Telecommunication
- Universities (Canada)

Languages

	Speak	Read	Write
Dutch	Native language	Native language	Native language
English	Good	Good	Good
German	Good	Proficient	Poor

Sirp-Jan Mulder

Consultant

Competencies

Concepts

- Service Oriented Architectures
- Slowly changing dimensions
- Data conversion
- Business Intelligence
- Key Performance Indicators
- Oracle performance optimizing

Tools & products

- Cognos 7.4 / 8.4
- Microsoft SQL Server 97 / 2000 / 2005 / 2008 / 2008 R2 / 2012 Database
- Microsoft SQL Server 2005 / 2008 / 2008 R2 / 2012 Reporting Services
- Microsoft SQL Server 2005 / 2008 / 2008 R2 / 2012 Analysis Services
- Microsoft SQL Server 2005 / 2008 / 2008 R2 / 2012 Integration Services
- Microsoft SQL Server 2005 Service Broker
- Microsoft SQL Server 2000 Data Integration Services
- T-SQL
- Oracle Database 7.3 / 10
- PL/SQL
- SQL Anywhere

Software development

- Cognos scripting using the Cognos object model
- Visual Studio .NET 2003 / 2005 / 2008
- Window application development (Model driven development)
- Web application development
  - ASP, ASP.NET (C#), HTML, JavaScript, CSS
  - Asynchronous web applications using AJAX
  - ASP.NET custom controls
- Office macro development using VBA for Word, Excel and Access
- Using and building Window and Web Services
- Database development & interfacing
  - SQL-DMO
  - Build of code generator templates

Sirp-Jan Mulder

Consultant

Projects

JUNE 2013- *CURRENT*

Rabobank International
Role: BI Specialist

Background
Rabobank International department Infrastructure has lots of data but so far only a small Data Warehouse with some reports containing technical information about computers, virus scanners, backup status mail servers, etc. There is a need for keeping track of history on certain data and new reports. In this period he has worked for a few different projects requiring extending the data warehouse and building reports. One of his key successes has been introducing Business Intelligence as an essential part for management and operations of the IT department.

Activities
Creating lots of stored procedures, scripts (VBA, C#), queries, SSRS (SQL Server Reporting Services) reports, SSIS (SQL Server Integration Services) packages, documentation and giving consultancy on numerous levels of architecture

Develop the architecture a variation on the Data Vault technic to easily keep track of historical database table changes using database triggers and still allowing simple queries do the work over current and historical data.
Develop a module to read computer, user and group data from Active Directory, reading only incremental updates, is scheduled multiple times an hour
Develop a complex module to read data from Microsoft SCCM (System Center Configuration Manager) reading only incremental updates from a server in an another country, is scheduled multiple times an hour.
Develop a complex generic module to read data and layout from Excel into the data warehouse, contains data like cell name, layout (colours, lines, etc,), formulas, values, etc.
Develop an architecture to handle 3 (or more) way synchronization of data between multiple data sources
Develop an architecture to store KPI data to show in dashboards
Develop an architecture to track down exception errors and its location in stored procedures
Develop multiple modules to read data into the data warehouse from numerous database sources like virus scanners, exchange, security scanners, CMD's, etc.

Creating script to retrieve meta data (like parameter names, valid parameter values) of SSRS reports
Creating script to convert data in jscon format to csv format
Creating script to analyse csv files in terms of column length and database type
Creating script to read csv files with comments containing carriage returns (is standard not supported by SSIS)
Creating scripts to export reports to CSV format and import in the database
Creating script to export Excel documents stored in SharePoint
Creating script to invoke restful APIs

Creating a generic and missing report to show information about how many times a report is used by what users
Creating a generic and missing report to show what database scheduled database tasks and SSRS report subscriptions are and have been running. Containing status, exception message , execution time, scheduled time, etc..

Tools
SQL Server 2008 R2 + 2012, SQL 2008 R2 + 2012 Reporting Services, 2012 Integration Services, Data Fault

NOVEMBER 2012- *MARCH 2013*

Interxion
Role: BI Specialist

Background

Sirp-Jan Mulder

Consultant

Interxion is in the middle of migrating their CRM software Sales Manager to Sales Force. During the conversion data is updated manually in both systems. In order to minimize the risk of unsynchronized data, it should be validated in both systems. In order to simplify reporting in Sales Force a simple data warehouse is desired. Data concerning network equipment is stored in the iTracks application. Here data like customers, buildings, patch panels, circuit-id's, racks, etc. are stored hierarchical and linked together.

Activities
As part of the migration process, migration reports have been built to show differences, using fuzzy joins to join data of both systems. Also data warehouses have been built for Sales Force and iTracks. Since the last one contained data in hierarchical and linked structures, the data had to be flattened, normalized and links had to be followed. In order to improve the performance of another system, queries and stored procedure have been rewritten. Build a SSIS package for loading CSV files in the data warehouse and
a management information report based on SSAS cubes, containing charts and numerous different tables.
Tools
SQL Server 2008 R2 + 2012, SQL 2008 R2 + 2012 Reporting Services, MDX, 2012 Integration Services, Data Fault

AUGUST 2012- *NOVENBER 2012*

Nuffic
Role: BI Specialist, Instructor Reporting Services 2008 R2

Background
Nuffic has about 1000 reports build in reporting services 2008 R2. Two of the three developers (both external) are leaving the project. During the period to find a new employee an external developer is desired to fill this gap. In order to increase the knowledge of the new employee (an old team member with Reporting Services 2005 experience), a none developer, the existing developer and the team leader a comprehensive course Reporting Services 2008 R2 is desired.

Activities
In order to maintain the continuity, new and existing reports have been created and modified. Beside maintenance consultancy is given to professionalize the project environment, resulting in access and using of SQL Server Management Studio and Microsoft Team Foundation Server. In order to increase the knowledge of Reporting Services 2008 R2 a large set of course materials has been written covering a many subjects. The course has been given a number of day parts.

Tools
SQL Server 2008 R2, SQL 2008 R2 Reporting Services

AUGUST 2012

Erasmus MC
Role: Instructor Reporting Services 2008 R2

Background
Erasmus MC is using Crystal Reports and wants to migrate to Reporting Services 2008 R2. The project team requires a compact intro course to have the developers find their way in the new reporting environment.

Activities
Writing course materials based on desired Reporting Services subjects and give a one day course.

Tools
SQL Server 2008 R2, SQL 2008 R2 Reporting Services

MARCH 2012- *JUNE 2012*

Sirp-Jan Mulder

Consultant

Westbury
Role: BI Specialist

Background
Westbuy has a standard reporting solution for HP Service Centre and HP Service Manager. The solution extracts meta data from the HP tables (including a hard to decrypt binary format) and fills it's meta data tables of solution. Based on this meta data the customer can configure what data should be copied from source to the data warehouse. The solution generates automatically the data warehouse, the ETL and Business Objects universe. In order to reduce cost and support new data sources the generated ETL layer will be replaced.

Activities
There are numerous options to replace the ETL layer. By building numerous proofs of concepts (POC) different options could be compared and rated: how easy is it to generate, performance, error traceability (including identifying failing records), how is it dealing with different locations of sources and the data warehouse and how is the maintainability. Therefor various POCs have been created using:

- SQL Server Integration Services
- SQL Server BCP
- Streaming BulkCopy using the .NET framework
- Stored procedures using Linked Servers

Based on the comparison, the stored procedures have been selected in this context as the best solution. After the selection stored procedure for the ETL have been designed supporting the following functionalities:

- Supporting a recovery / continue model in case the server, network, etc. shuts down when copying data
- Logging and a mechanism to clean up old log data
- Debugging options
- Locking in order prevent to have two instances running of the same stored procedure to copy data
- Full and incremental loads
- A mechanism to splits large sets of data into batches
- Synchronizing deleted records
- Counting records in source and target for validation purpose
- Exception handling with functionality to identify the location of an error message
- Tracing down the primary key of failing records
- Supporting SQL Server, Oracle and DB2

Tools
SQL Server 2005-2008R2, SQL 2005-2008R2 Integration Services, T-SQL, SQL, C#.NET, Oracle, DB2, SCRUM

JANUARY 2012- *FEBRARY 2012*

MiCompany
Role: BI Specialist

Background
KPI-dashboards are created for numerous customers. The dashboards are created in Reporting Services and presented in Share Point. In order to accelerate pending projects and to improve the overall architecture some support is desired.

Activities
Restructuring the data warehouse into a model with fact and dimension tables. Filling the data model with new data and building complex reports to display marketing KPI/analysis data. During runtime the data and layout of the reports is based on meta data tables. This allows using one report definition for multiple reports, resulting in less and more simple maintenance and building faster new complex reports.

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Tools
SQL Server 2008R2, Reporting Services 2008R2, T-SQL, SQL, Share Point

DECEMBER 2011- JANUARY 2012

Force4Solutions
Role: BI Specialist

Background
Building a standard solution for the Dutch Healthcare for analysing DBC (Diagnose Behandeling Combinatie / Diagnosis Treatment Combination) using the new DBC (DOT) variant.

Activities
Building a tools for analyzing data used by or to be used by data warehouses.
Developing a solution for validating and viewing DBC (DOT) data.

Tools
Visual Studio 2008, SQL Server 2008R2, T-SQL, SQL

JULY 2011- NOVEMBER 2011

SHELL
Role: Business Annalist / BI Specialist

Background
The project manager is overloaded with numerous projects.

Activities
Besides support of the build SSIS interfaces, numerous small projects at the same time have to be handled most of them contain analysis, documentation, finding the correct procedures within Shell, chasing people and other communications.

Tools
SQL Server 2005, SQL 2005 Integration Services, T-SQL, VB.NET

DECEMBER 2010- JUNE 2011

SHELL
Role: BI Specialist / Software Engineer / Software Architect

Background
There are two SSIS interfaces required. The first will be used to collect data in xml format and send it as an attachment to recipients. The other is required to load data from a questionnaire driven system into the large incident registration system called FIM.

Activities
Building an SSIS interface to extract data from tables, convert it to xml and send it as an attachment to the recipients.

In order to import data in XML format into FIM an application that is part of FIM, called Data Loader, is used. An SSIS package is build to generate the XML, starting the Data Loader, automatic analysing the Data Loader log file and send automatic mail notifications. Complex element is transforming the data from a questionnaire structure

where each answer is stored in a separate record, to a normalized structure where numerous different tables containing records with multiple answers.

Tools
SQL Server 2005, SQL 2005 Integration Services, T-SQL, VB.NET

AUGUST 2010 – JANUARY 2011

SHELL
Role: BI Specialist / Software Engineer / Software Architect

Background
The current load process that is calling the web service to update the knowledge management system is getting an overload of messages from different source systems. In order to manage the load process a queue is added by building an intelligent Service Broker. It generates soap messages, prevents overloads of the web service, handles errors, adds traceability to the load process and offers the data in the correct (referential) order. Besides the main project, some other projects have been completed successfully too.

Activities
- Building and inserting the Service Broker to the current load process.
- MS-Access application for comparing database tables. Results are exported to a formatted Excel file

Tools
SQL Server 2005, SQL 2005 Server Service Broker, SQL 2005 Integration Services, T-SQL, VB.NET

JANUARY 2010 – JULY 2010

PaperlinX
Role: BI Specialist / Technical Project Leader / Software Architect

Background
For management, business units and sales staff a fancy looking dashboard is desired. Data will be retrieved from an incomplete data warehouse with numerous errors (double records, etc.)

Activities
Restructuring, extending and solving issues on the data warehouse. Building a Silverlight dashboard with charts, maps and KPIs using Telerik controls for charts and maps. In order to reduce cost Mr. Mulder took initiative (in alignment with the customer) and managed offshore research activities in Nepal. Besides the data warehouse and managing the offshore research he was responsible building the dashboard reports and designing the software architecture.

Tools
Silverlight 3.0, SQL Server 2008, C#

JULY 2009 – JANUARY 2010

Force4Solutions
Role: BI Specialist / Sales

Background

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Consultant

Having built the information warehouse for Zaans Medisch Centrum (Hospital), Force4Solutions is continuing the development of the solution. During this development phase demos are organised and created in Cognos 8.4 and Microsoft SSAS.

Activities
In order to improve the data warehouse build process a solution is written that is capable of determining the dependencies of SQL scripts. After the dependencies are determined the SQL is executed in the appropriate order, using parallel execution where possible and constrained by a configurable maximum execution load. Because the dependencies are known, it is possible to start the execution before all required data is delivered. The rest of the data is usually available later in the data warehouse process. As well as optimizing the execution, up to date documentation is also generated to allow the build of a very large data warehouse.

For sales demos the model is extended and optimised for Cognos and SSAS cubes. For demo purposes Cognos 8.4 cubes and reports and Microsoft SSAS cubes are created.

Tools
Cognos 8.4, Microsoft SQL Server 2008, Microsoft Analysis Services 2008, Microsoft Integration Services 2008, C#

MARCH 2008 – JUNE 2009

Zaans Medisch Centrum, Hospital
Role: BI Specialist

Background
The way the Dutch healthcare system is financed is changing dramatically. In order to keep it affordable, the system is changing from a budget driven system to a more transparent system using DBC's (Diagnose Behandeling Combinatie / Diagnosis Treatment Combination). A DBC is an administrative code based on a combination of the diagnosis, treatment and all related costs. A DBC therefore includes all treatments per diagnosis, from the first visit to the last check-up. As a result of this transformation, Dutch hospitals are facing a big gap in their information management, which they are currently trying to close.

Activities
In order to create DBC-information, a powerful information warehouse model is created which allows full DBC analysis. The warehouse is designed in a star model structure with facts and dimensions allowing end users to build in a easy way fast performing reports and cubes with numerous tools. The model enables in depth analysis using metrics such as results, costs, numbers and averages with all related dimensions including patient, insurance company, diagnoses, treatments, etc. In addition to this model, information such as DBC-Profiles (average costs / treatments per DBC), Dutch-KPI, reports, etc. is delivered to the hospital. EZIS (from Chipsoft) is used as the main data source. Information from most modules is collected. In addition to EZIS, LMR and FIT4CARE are also extracted.

For the analysis front-end, Cognos Cubes were built using Cognos Transformer. In addition he built the script for the automatic generation of cubes, used Cognos PowerPlay and developed Cognos 8.4 reports and Cubes for demo purposes.

If you are managing or delivering management information for Dutch hospitals, it is inspiring to see how Mr. Mulder has transformed base data into useful information for analysis and decision making.

Tools
Data Warehousing using a star model structure, Cognos 7.3, Cognos 8.4, Oracle 8, SQL 2005, SQL 2005 Integration Services, T-SQL, SQL, Chipsoft, LMR, FIT4CARE

FEBRUARY 2008

Sirp-Jan Mulder

Consultant

Provimi
Role: BI Specialist

Background
Provimi is a world leader in animal nutrition and related expertise. A data warehouse was built in Analysis Services. They needed a few reports and proof of concept (POC) to find out whether Microsoft Report Builder was easy enough to use by end users. This would allow end users to create their own queries and reports.

Activities
Mr. Mulder built a couple of reports with Microsoft Report Builder to show the possibilities and the user level required to use this tool. Microsoft Report Builder should not be confused with Microsoft Reporting Services. Both come with SQL Server: Reporting Services allows more complex and advanced reports whereas Report Builder is focused on low level end users. During the build of this POC, Mr. Mulder also solved some issues with the Data Warehouse.

Tools
SQL Server 2005 Database / Analysis Services / Report Builder

FEBRUARY 2008

Reinier de Graaf Hospital
Role: BI Specialist

Background
A data warehouse was partly built. Another department wanted to find out if it was possible to get the information they required from the data warehouse.

Activities
Mr. Mulder built some reports and wrote some recommendations.

Tools
SQL Server 2005 Database / Analysis Services / Reporting Services

SEPTEMBER 2007 – JANUARY 2008

Royal Numico, The Netherlands
Role: BI Specialist / Software Engineer

Background
As part of a large project, it was necessary to develop a solution in order to optimise the loading process of a data warehouse.

Activities
As an all-round Microsoft Software Engineer Mr. Mulder developed an application which is capable of starting (if possible parallel) numerous SSIS packages, executables and Cognos cubes with mutual dependencies in an optimised sequence. This resulted in the data warehouse being loaded 4 times faster than before.

Tools
Visual Studio 2005, SQL Server 2005 Database / Integration Services

Sirp-Jan Mulder

Consultant

DECEMBER 2006 – JANUARY 2008

Artena Business Consultancy
Role: Lead Software Engineer / Software Architect / Technical Project Leader

Background
Basel II rules required banks to manage their Operational Risks (ORM). Banks had to identify their risks followed by actions and controls in order to minimise the impact and likelihood of these risks. To support the banks in this process, Artena developed a standard solution. The product enables the registration of risks, actions, controls and incidents occurred. Furthermore it provides a module to view Key Performance Indicators / Key Risk Indicators (KPI /KRI).

Activities
During the development of this standard solution, Mr. Mulder was responsible for managing the development team, setting up the software architecture (see ABAF Framework), supporting junior developers and building the application. In addition to this, he designed and implemented slowly changing dimensions, security of web services and application roles. He also integrated the SQL Server report viewer and built a proof of concept for generating OLAP cubes, using SQL Server 2005 Analysis Services.

Tools
Visual Studio 2005, SQL Server 2005 Database / Integration Services / Analysis Services / Reporting Services

JANUARY 2007 – MARCH 2007

Mizuho Bank
Role: BI Specialist / Lead Software Engineer / Technical Project Leader

Background
For the Mizuho Bank a large number of Microsoft Access reports needed to be converted to Reporting Services reports.

Activities
In addition to the conversion of the reports, Mr. Mulder managed other members of the report conversion team, created conversion guidelines and developed a tool for validating the query conversions.

Tools
Microsoft Access 2000, Microsoft SQL Server 2005 / Reporting Services reports

MAY 2006 – NOVEMBER 2006

Artena Business Consultancy
Role: Lead Software Engineer / Software Architect / Technical Project Leader

Background
In order to support the sales process, a Customer Relationship Management (CRM) Web application needed to be developed, with the prospective of creating a standard product.

Activities
As Lead Developer and Software Architect (see ABAF Framework) Mr. Mulder led his development team to create the CRM solution.

Tools
Visual Studio 2005, SQL Server 2005 Database / Reporting Services

Sirp-Jan Mulder

Consultant

MAY 2006 – JANUARY 2008

Artena Business Consultancy
Role: Lead Software Engineer / Software Architect

Background
Artena was developing numerous standard solutions for customers. In order to improve and accelerate the development process, a software framework needed to be developed.

Activities
As Senior Lead Developer and Software Architect, Mr. Mulder created the ABAF framework to support the software development process of administrative web applications. The framework allows the creation of web applications that require high standards on reliability, maintainability, flexibility, layout and user interaction. The flexible and, for customers, configurable architecture is based on three levels: a web client that uses AJAX to communicate web services (SOA) which interact with the business logic layer. Elements of the framework are:

- code generation (regeneratable)
- coding and layout guidelines
- security
- numerous libraries and web controls
- standard building blocks
- documentation

Tools
Visual Studio 2005, SQL Server 2005 Database / Reporting Services

JANUARY 2006 – APRIL 2006

The Security Company
Role: Software Engineer

Background
The workforce planning software the company was using had to be maintained.

Activities
Maintenance on a solution developed in Visual Basic 6.0, using Crystal Reports.

Tools
SQL Server 97, Visual Basic 6.0, Crystal Reports

JANUARY 2006 – APRIL 2006

Accon AVM adviseurs en accountants
Role: Software Engineer

Background
The workforce planning software the company was using had to be maintained.

Activities
Maintenance on a solution developed in Visual Basic 6.0, using Crystal Reports.

Sirp-Jan Mulder

Consultant

Tools
SQL Server 2000, Visual Basic 6.0, Crystal Reports

FEBRUARY 2005 – DECEMBER 2005

LogicaCMG
Role: Software Engineer / Software Architect

Background
There was a need for a software solution to support the matching process between sales opportunities and human resources for the Dutch public sector.

Activities
During this period Mr. Mulder provided assistance for various projects (such as building an export extension on Reporting Services). His main project was the workforce solution, using RAD, the I-Framework, ASP.NET and Reporting Services. In order to support workflow he extended the I-Framework.

Tools
Visual Studio .NET 2003, SQL Server 2000 Database / Reporting Services, JavaScript, HTML, CSS

JANUARY 2005

Ministry of OCW (Education, Culture and Science)
Role: Software Engineer

Background
The previously developed application EXO needed some maintenance.

Activities
Mr. Mulder added some minor enhancements to the previously developed EXO, ASP.NET application to optimise the solution.

Tools
Visual Studio .NET 2003, SQL Server 2000, JavaScript, HTML, CSS

OCTOBER 2004 – DECEMBER 2004

Ministry of OCW (Education, Culture and Science)
Role: Lead Software Engineer / Software Architect / Technical Project Leader

Background
The Ministry of OCW required a knowledge base application (MZO) with information on the creation and organisation of independent control organisations within the ministry.

Activities
During the development of this ASP.NET application, Mr. Mulder was responsible for the application architecture and management of a colleague. The Web application used the I-Framework and allowed the export of formatted MS-Excel spreadsheets.

Tools
Visual Studio .NET 2003, SQL Server 2000 Database / Reporting Services, JavaScript, HTML, CSS

Sirp-Jan Mulder

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JUNE 2004 – SEPTEMBER 2004

Ministry of OCW (Education, Culture and Science)
Role: Software Engineer / Software Architect

Background
The Ministry of OCW had to deal with various applications which were developed in different environments (for example, MS-Access). They required conversion to a web architecture.

Activities
On his own initiative and partly in his own time, Mr. Mulder developed an architecture and framework (I-Framework). The framework allowed the creation of administrative ASP.NET web applications within a short time frame. During this period he converted the MS Access application OPO to a web application.

Tools
Visual Studio .NET 2003, SQL Server 2000 Database / Reporting Services, JavaScript, HTML, CSS

JANUARY 2004 – JUNE 2004

Ministry of OCW (Education, Culture and Science)
Role: Software Engineer

Background
The Ministry of OCW receives regular invitations for the Minister or other members of the administration to attend specific events, symposiums, etc.

Activities
Together with a colleague, Mr. Mulder extended an already existing ASP.NET web application named EXO. A number of dynamic, nicely formatted Microsoft Word reports formed a part of the extensions.

Tools
Visual Studio .NET 2003, SQL Server 2000, Microsoft Word 2000, JavaScript, HTML, CSS

OCTOBER 2003 – DECEMBER 2003

Ministry of SZW (Social Affairs and Employment)
Role: Software Engineer / Software Architect

Background
As a continuation of an earlier project named ISIS, some extra functionality was requested. In order to make employees mobile, the system was also required to operate from a laptop and work with offline data.

Activities
Mr.Mulder was partly responsible for the architecture and construction of this additional module. The module was developed in Visual Basic 6.0 and worked with WebServices. It allows checking of data and synchronisation to and from a laptop.

Tools
Visual Basic 6, SQL Server 2000

Sirp-Jan Mulder

Consultant

APRIL 2003 – SEPTEMBER 2003

Ministry of VROM (Housing, Spatial Planning and Environment)
Role: Software Engineer

Background
A system had to be built for the permit authorisation process of Genetically Modified Organisms,. The system had to register process data and support the workflow of generated documents.

An internet and intranet application was needed to support reporting, workflow approvals and search and read documents.

Activities
Mr. Mulder worked as a member of the development team on the main application and also developed the web application. In order to copy data from the intranet database to the internet database (security), he built a DTS package generator.

Tools
Visual Studio VB.NET, Visual Basic 6, SQL Server 2000 Database / DTS
OCTOBER 2002 – MARCH 2003

Ministry of SZW (Social Affairs and Employment)
Role: Software Engineer

Background
A solution had to be developed to increase security and support the helpdesk.

Activities
By building a skin around the Active Directory, Mr. Mulder made it possible to segregate the functions of the helpdesk and the security employees. The first can only request permissions modifications, the latter can only approve them. Approved changes will automatically be reflected in the Active Directory. In addition to changing the Active Directory, the application can also handle Database access permission for users.

Tools
Active Directory, Visual Basic 6, SQL Server 2000

MAY 2002 – SEPTEMBER 2002

Ministry of SZW (Social Affairs and Employment)
Role: Software Engineer/ Technical Project Leader

Background
To jump start the project, an existing application was purchased for modification. In addition to a lot of MS-Word reports, the application contained a large number of lines with source code (100.000).

Activities
Together with other team members, Mr. Mulder modified the application to make it suitable. In order to analyse the source code, he implemented a tool to retrieve relations between functions, events, controls, menus, properties, etc. By creating queries it was possible to predict the impact of changes. Later he technically managed other developers who further evolved this concept and created a graphical user interface.

He also implemented a tool to add / generate standard error handling in the complete source code. This shows information on the location of the error in the source code.

Tools
Visual Basic 6.0, Access 2000, Word 2000

Sirp-Jan Mulder

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DECEMBER 2001 – APRIL 2002

Ministry of BZK (Interior and Kingdom Relations)
Role: Software Engineer

Background
Every year the Ministry of BZK carries out research to establish work pressure within the government.

Activities
Mr. Mulder created a solution to process all surveys and generate an MS Word report with tables, charts and even conclusions.

Tools
Visual Basic 6.0, Access 2000, Word 2000

FEBRUARY 2001 – NOVEMBER 2001

Lyondell
Role: Software Engineer

Background
A world wide data conversion of the data in their current AS400 system was required in order to work globally with one SAP system.

Activities
During this large conversion project, Mr. Mulder built an MS Access tool with a large number of queries and conversion functions. In addition to the conversion, he developed a tool to analyse live data for changes.

Tools
Access 97

DECEMBER 2000 – JANUARY 2001

KPN
Role: Software Engineer

Background
An intranet registration application needed to be developed for one of the departments to record the occupation of employees within the departments. This data was to be used for calculating bonuses of the sales staff.

Activities
Mr. Mulder was responsible for developing an intuitive user interface to select, add, delete and edit data.

Tools
SQL Server 97, ASP, HTML, VBScripts, CSS

Previous roles before 2001 are best described as all-round Microsoft Software Engineer. A detailed description can be produced on request.

Sirp-Jan Mulder

Consultant

OCTOBER 2000 – NOVEMBER 2000
Department Public Education Rotterdam
Microsoft Word document generator

APRIL 2000 – OCTOBER 2000
KPN
Data Warehouse and a Microsoft Word document generator

FEBRARY 2000 – MARCH 2000
KPN
Data cleaning and conversion of CMS data

OCTOBER 1999 – FEBRARY 2000
CMG
Microsoft Word document generator

MAY 1999 – OCTOBER 1999
Shell
Front-end for an application which copies scheduled database data from different operating systems and RDBMSes across

APRIL 1998 – MAY 1999
CMG
Software Engineer and Oracle DBA for a Payroll solution

SEPTEMBER 1996 – MARCH 1997
Dymo
Software Engineer of drawing software for a label printer

Sirp-Jan Mulder

Consultant

Training

- Visual Basic + ASP.NET,2002, Class A
- Object Oriented Analysis, 2000, CMG academy
- Commander Project Management-II, 2000, CMG academy
- Function Point Analysis, 2000, CMG academy
- Rapid Application Development, 1999, CMG academy
- Oracle DBA, 1998, 5Hart
- Oracle Procedural Extensions, 1998, 5Hart
- Commander Project Management-I, 1998, CMG academy
- Commander Analysis Course, 1997, CMG academy
- Commander Structured Design, 1997, CMG academy
- SQL Server 6.5, 1997, Global Knowledge
- Visual Basic 4.0, 1997, Global Knowledge

Education

- Information science at “de Haagse Hoge School” with specialisations: information analysis, system design and office automation. Graduated in 1996