

Curriculum Vitae

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References

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Education

- Civil Engineer, with a specialisation in Computer Science and Management - Faculté Polytechnique de Mons.
- Master in Innovation Management - Faculté Polytechnique de Mons.
- NLP Master Practitioner - Institut Ressources PNL
- NLP Psychotherapist - Institut Ressources PNL
- DB2/MVS (SQL Introduction, Application Development, Application Design, DB2 Locking) - IBM Belgium
- Datawarehouse Enablement : Methods and Techniques - IBM Belgium
- Business Objects : Reporter/Designer/Supervisor Course - Case Consult Luxembourg
- Business Objects : BO Certified Universe Builder - Business Objects BeLux
- SQL Server 7.0 Implementing Database
- Sunopsis Active Integration Platform: Basic & Advanced Course
- BOXIR3 Administration & Security Online Course
- Data Vault Implementation and Best Practices (All Tools/SQL) - learndatavault.com
- The Data Scientist Toolbox – Coursera
- R Programming – Coursera
- Programming For Everybody (Python) – Coursera
- Using Python to Access Web Data – Coursera
- Using Databases with Python – Coursera
- Qlik Sense - Agilos

Languages

- French Mother language
- English Fluent
- Dutch Basic knowledge

Technical Skills

- BI Tool BO 6.5, BOXIR2, BOXIR3, SAP BI, SSAS 2008, ZoHo Reports, Qlik Sense, Pentaho Report Designer
- ETL BODI 6.5, Oracle Data Integrator (ODI, formerly Sunopsis Active Integration Platform v4.1), SSIS 2008, Pentaho Data Integration (PDI/Kettle), Talend
- CASE Tool Oracle Designer 2000, ER/Win (Computer Associates), DB Designer, DeZign for Database V3 (datanamic), Sybase Power Designer, Oracle SQL Developer & Data Modeler, TOAD
- Databases DB2, Oracle, MS SQL Server, MS Access, MySQL, PostgreSQL, SQLite
- Architecture Kimball, Data Vault, Data Warehouse, Data Mart, OLAP
- Programming Language SQL, PL/SQL, HTML, XML, XSL, ODI SDK / Groovy, Python, Jython

Professional Experience

05/2016 - ...

- **Position** Lead Analyst for European Commission – EuropAid – DG DEVCO
- **Projects** EAMR, DQ Dashboard
- **Description** Manage analyst team of the DG DEVCO DWH Sector.
 - Tasks
 - Reporting to Head of DWH Sector
 - Coaching & People management of analysts
 - Analysis of several key projects (DQ Dashboard, EAMR, ...)
 - Technologies & Tools
 - Oracle, Data-Vault, TOAD, SAP BODS, Sybase PowerDesigner

03/2016 – 08/2016

- **Position** BI & DWH Consultant for Infrabel I-AM.217
- **Project** Hosting of the BI-32 project by I-AM.217 department
- **Description** Migration of an existing ETL developed in ODI to Pentaho Data Integration (PDI / Kettle).

Tasks

- Analysis
- Infrastructure setup
- Development
- Tests
- Release in Prod
- Knowledge transfer

Technologies & Tools

- Oracle, PostgreSQL, MySQL, Linux, Pentaho Data Integration/Kettle, Fly Speed Query, Data-Vault

09/2015 – 01/2016

- **Position** BI & DWH Consultant for Institut Ressources PNL
- **Project** Projet Hermes
- **Description** Design and develop a new reporting solution based on Odoo data to target customer for e-mail marketing.

Tasks

- Functional & technical analysis
- Development & Testing
- Release in prod

Technologies & Tools

- Odoo, Python, RESTful API, Linux, ZoHo Reports

03/2015 – 04/2014

- **Position** BI & DWH Consultant for GFI
- **Project** Telindus Luxembourg
- **Description** 5 days of support on SAP BI

Tasks

- Installation, administration, JDBC configuration

Technologies & Tools

- SAP BI, Linux, JDBC

06/2014 - ...

- **Position** Founder of BI-Box Solutions
- **Project** BI-Box Fiduciaires
- **Description** Design and develop a new reporting solution on an accounting software (WinBooks) using Data-Vault modeling and Star modeling.

Functional analysis

- Mind Map
- UML Actor & Use Case Diagram for the As-Is and To-Be Situation
- Data Vault and Star Model Design
- Data Flow & Process Flow Design

Technical Analysis

- Source to target column mapping
- Detailed analysis of ETL process

Development & Testing

- Implementation of the target Data Vault model and Star-Model (tables, indexes, sequences,) on Ms SQL Server 2014
- Development of ETL jobs with ODI, Python, Pentaho Data Integration / Kettle

Business Development

- Sales & Marketing to promote the solution

06/2012 - 05/2014

- **Position** BI & DWH Consultant for Infrabel
- **Project** InciMII
- **Description** Design and develop a new reporting solution on incident data using Data-Vault modeling and Star modeling.

Functional analysis

- Mind Map
- UML Actor & Use Case Diagram for the As-Is and To-Be Situation
- Data Vault and Star Model Design
- Data Flow & Process Flow Design

Technical Analysis

- Source to target column mapping
- Detailed analysis of ETL process

Development & Testing

- Implementation of the target Data Vault model and Star-Model (tables, indexes, sequences,) on Oracle 11g through SQL DDL Scripts
- Development of ETL jobs with ODI

- Development of a specific ODI project (REF_Calendar) and IKMs to generate Date and Time reference tables
- Source technology : InterBase

Release in production

- Release of the ODI scenarios (export/import mechanism)
- Creation of the target Data-Vault model and Star-Model through SQL DDL scripts
- Scheduling of the ODI scenarios through ODI Scheduler and Load-Plans

Maintenance & Improvement of the Data-Vault and Data-Mart to follow business requirements from June 2012 until May 2014

Knowledge Transfer

- **Project** INES
- **Description** Convert publishing of XML from a custom development tool to ODI

Functional analysis

- Mind Map
- UML Actor & Use Case Diagram for the As-Is and To-Be Situation
- Data Flow & Process Flow Design

Technical Analysis

- Source to target column mapping
- Detailed analysis of ETL process

Development & Testing

- Implementation of the target model (tables, indexes, sequences, ...) on Oracle 11g through SQL DDL Scripts
- Development of ETL jobs with ODI
- Development of specific KMs to optimize the creation of the Staging Area and to comply to Infrabel security model
- Development of groovy scripts using the ODI SDK to generate staging tables and interfaces automatically
- Source Technology : Oracle

Release in production

- Release of the ODI scenarios through export/import mechanism
- Creation of the target model through SQL DDL scripts
- Scheduling of the ODI scenarios through ODI Scheduler and Load-Plans

Maintenance & Improvement of the solution to follow business requirements from October 2012 until May 2014

Knowledge Transfer

- **Project** DIS
- **Description** Upload a complex XML file to an operational DB using ODI

Training & Coaching

- Give training on ODI 11.1.1.7.0
- Give guidelines and recommendations to install and configure the new ODI platform (repositories, agents, oracle schemas, ...)

Development & Testing

- Development of Jython procedures in ODI to clean the XML file from reserved words.
- Development of groovy scripts using the ODI SDK to generate staging tables (151) and interfaces automatically
- Implementation of the target model (tables, indexes, sequences, ...) on Oracle 11g through SQL DDL Scripts
- Development of ETL jobs with ODI
- Source Technology : XML

Maintenance & Improvement of the solution to follow business requirements from March 2013 until May 2014

Knowledge Transfer

- **Projects** ATHENA
A1058 - RIOC Calls
A1138 - TC460 Driver Forms
A1139 - Minute Responsible
A1140 - Referential Data
- **Description** Replication of sources tables (carbon-copy) in the Data Warehouse using ODI interfaces automatically generated by groovy scripts

Development & Testing

- Development of groovy scripts using the ODI SDK to generate staging tables and interfaces automatically
- Implementation of the target model (tables, indexes, sequences, ...) on Oracle 11g through SQL DDL Scripts
- Development of specific RKM to reverse MySQL metadata
- Development of ETL jobs with ODI
- Source Technology : MySQL

Maintenance & Improvement of the solution to follow business requirements from December 2012 until May 2014

Knowledge Transfer

- **Project** RDV
- **Description** Design & Develop a Data-Vault solution for core business concepts

Functional analysis

- Mind Map
- UML Actor & Use Case Diagram for the As-Is and To-Be Situation
- Data Vault Model Design (Hubs / Links / Satellites / Sames-As-Links / Bridges) on core business concepts (cost center/line/track/track section/zone/subzone)
- Data Flow & Process Flow Design

Technical Analysis

- Source to target column mapping
- Detailed analysis of ETL process

Development & Testing

- Implementation of the target Data Vault model (tables, indexes, sequences, ...) on Oracle 11g through SQL DDL Scripts
- Development of ETL jobs with ODI
- Source technology : Oracle, Files

Release in production

- Release of the ODI scenarios through export/import mechanism
- Creation of the target Data-Vault model through SQL DDL scripts
- Scheduling of the ODI scenarios through ODI Scheduler and Load-Plans

Maintenance & Improvement of the solution to follow business requirements from September 2013 until May 2014

Knowledge Transfer

- **Project** TrackPro
- **Description** Review functional analysis and technical analysis
Coach other team member and give guidelines for development using ODI
Give training on Star-Modeling (Kimball) and Data Vault
- **Project** A175 - CostModel - Quick Win
- **Description** Debug and rework an old ODI development
Restructure hard-coded SQL queries (700 lines of codes) and convert it to ODI interfaces
- **Project** SARA
- **Description** Involved in interviews to collect business requirements
Develop the loading of one csv file to DWH using ODI
- **Project** Personal Initiative at Infrabel
- **Description** Develop ODI procedures in Groovy + ODI SDK to automate the design and development of Data-Vault models and interfaces
- **Project** Data For Reporting
- **Description** Involved in the brainstormings to design the Data-Vault model
- **Project** ArtRob Lite
- **Description** Investigation on a critical PL/SQL flow falling in error in production

Diagnose the root cause of the error
Coach other team member on how to perform the recovery

- **Project** Migration
- **Description** Coach other team member to perform the migration of several projects described above (InciMII, INES, ATHENA, A1058 - RIOCCalls, A1138 - TC460 Driver Forms, A1139 - Minute Responsible, A1140 - Referential Data, RDV) from a "One Master/Multiple Work Repositories" ODI 11.1.1.5.2 implementation to a new "Multiple Master/Multiple Work Repositories" ODI 11.1.1.7.0 implementation.

01/2012 - 03/2012

- **Position** BI & DWH Consultant for Effigy sprl
- **Project** BI Implementation @ Effigy
- **Description** Implementation of BI methodologies for Effigy (Kimball approach, ...)

Prepare the MCTP BI 2008 Exam (SSIS/SSAS/SSRS)

Support & Coaching of BI team members

Pre-sales support for Sales Representative

Writing of Proposals for BI opportunities

09/2011 - 12/2011

- **Position** BI & DWH Consultant for BI-Community.org
- **Project** Setup of a BI Training Curriculum
- **Description** Collect BI Training & Trainers information

Collect standard BI Roles & Skills information

Design of an online application on Zoho to manage the Training, Trainers, Roles & Skills information

03/2006 - 06/2011

- **Position** Data Warehouse & BI Consultant for Sony - VOE
- **Project** VAIO-Link New Technology
- **Description** Implementation of a reporting solution on a new call-center VOIP application (Cisco ICM/IPT/IPCC) for Sony-VOE Customer Service Department

Solution Architecture

- Mind map
- UML Actor & Use Case Diagram for the As-Is and To-Be Situation
- Star Model design
- Data Flow & Process Flow

Detailed Design

- Source to target column mapping
- Detailed analysis of ETL process
- Detailed analysis of Business Objects universes

Development & Testing

- Implementation of the target star model (tables, views, indexes, ...) on SQL Server 2000 & SQL Server 2005 through SQL DDL scripts
- Development of ETL jobs with Oracle Data Integrator (ODI - formerly Sunopsis) by creating and maintaining several ODI projects
- Data Quality Assessment of the source database through a specific ODI project (TIQM VLNT)
- Development of a specific IKM to create temporary datastores
- Development of a specific CKM for the Data Quality Assessment
- Creation & Maintenance of 2 BO Universes using BO 6.5

Release in production

- Release of the ODI scenarios through the ODI versioning system
- Release of the BO Universes by import/export from the development domain to the production domain
- Creation of the target star-model through SQL DDL scripts
- Scheduling of the ODI scenarios through startscen.bat ODI mechanism

Maintenance & Improvement of the Data Mart to follow business changes from March 2006 until June 2011

Knowledge transfer

- **Project** Sony Style Store Contact Center DWH
- **Description** Implementation of a reporting solution on a new call-center VOIP application (Cisco ICM/IPT/IPCC) for Sony Style Store Sales Department

Solution Architecture

- Mind map
- UML Actor & Use Case Diagram for the As-Is and To-Be Situation
- Star Model design
- Data Flow & Process Flow

Detailed Design

- Source to target column mapping
- Detailed analysis of ETL process
- Detailed analysis of Business Objects universe and reports

Development & Testing

- Implementation of the target star-model (tables, views, indexes, ...) on SQL Server 2000 & SQL Server 2005 through SQL DDL scripts
- Development of ETL jobs with Oracle Data Integrator (ODI - formerly Sunopsis) by creating and maintaining several ODI projects
- Creation & Maintenance of 1 BO Universe and 10 reports using BO 6.5

Release in production

- Release of the ODI scenarios through the ODI versioning system
- Release of the BO Universe & reports by import/export from the development domain to the production domain
- Creation of the target star-model through SQL DDL scripts
- Scheduling of the ODI scenarios through startscen.bat ODI mechanism

Maintenance & Improvement of the Data Mart to follow business changes from December 2006 until June 2011

Knowledge transfer

- **Project** Logistics
- **Description** Loading of a csv file from another Sony entity and a multi-record format file containing delivery notes data coming from SAP into a transactional in-house application. The loading is done by using an intermediate kind of star-model to allow reporting and data-quality checks on the source files.

Solution Architecture

- Mind map
- UML Actor & Use Case Diagram for the As-Is and To-Be Situation

- Star Model design
- Data Flow & Process Flow

Detailed Design

- Source to target column mapping
- Detailed analysis of ETL process

Development & Testing

- Implementation of the target star model (tables, views, indexes, ...) on SQL Server 2000 & SQL Server 2005 through SQL DDL scripts
- Development of ETL jobs with Oracle Data Integrator (ODI - formerly Sunopsis) by creating and maintaining several ODI projects

Release in production

- Release of the ODI scenarios through the ODI versioning system
- Creation of the target star-model through SQL DDL scripts
- Scheduling of the ODI scenarios through startscen.bat ODI mechanism

Knowledge transfer

- **Project** SQL 2000 DTS Migration to ODI
- **Description** Migrate a series of SQL Server 2000 DTS jobs sending e-mail with daily reports in excel to an ODI custom publishing platform

Solution Architecture

- Mind map
- UML Actor & Use Case Diagram for the As-Is and To-Be Situation
- Data Flow & Process Flow

Detailed Design, Development & Testing, & Release in production have been done by another developer

- **Project** Garata
- **Description** Extraction of Products, Units, and Serial Number data from a centralized worldwide Oracle database to csv files for downstream applications

Solution Architecture

- Mind map
- UML Actor & Use Case Diagram for the As-Is and To-Be Situation
- Data Flow & Process Flow

Detailed Design

- Source to target column mapping
- Detailed analysis of ETL process

Development & Testing

- Development of ETL jobs with Oracle Data Integrator (ODI - formerly Sunopsis) by creating and maintaining one ODI project
- Development of a specific IKM to create csv files from Oracle

Release in production

- Release of the ODI scenarios through the ODI versioning system
- Scheduling of the ODI scenarios through startscen.bat ODI mechanism

Knowledge transfer

- **Project** Clarify ODS
- **Description** Implementation of a BO universe directly on top of a CRM application (Clarify). An ODI project has been added afterwards to create a physical dimension table for the Registered Units information to enhance performance of the BO universe.

Solution Architecture

- Mind map
- UML Actor & Use Case Diagram for the As-Is and To-Be Situation
- Database design of the dimension table to be physically created
- Data Flow & Process Flow

Detailed Design

- Source to target column mapping
- Detailed analysis of ETL process
- Detailed analysis of Business Objects universe

Development & Testing

- Development of ETL jobs with Oracle Data Integrator (ODI - formerly Sunopsis) by creating and maintaining several ODI projects
- Creation & Maintenance of 1 BO Universe using BO 6.5

Release in production

- Release of the ODI scenarios through the ODI versioning system
- Release of the BO Universes by import/export from the development domain to the production domain
- Scheduling of the ODI scenarios through startscen.bat ODI mechanism

Knowledge transfer

- **Project** Magic Link
- **Description** Implementation of a reporting solution on top of a CRM application

(Clarify) for Sony-VOE Customer Service Department

Solution Architecture

- Mind map
- UML Actor & Use Case Diagram for the As-Is and To-Be Situation
- Star Model design
- Data Flow & Process Flow

Detailed Design

- Source to target column mapping
- Detailed analysis of ETL process
- Detailed analysis of Business Objects universes

Development & Testing

- Implementation of the target star model (tables, views, indexes, ...) on SQL Server 2000 & SQL Server 2005 through SQL DDL scripts
- Development of ETL jobs with Oracle Data Integrator (ODI - formerly Sunopsis) by creating and maintaining several ODI projects (Service Center, REF CS Holidays)
- Development of a specific IKM to create target datastores, Primary Keys and Indexes based on the model metadata from ODI
- Creation & Maintenance of 1 BO Universe using BO 6.5

Release in production

- Release of the ODI scenarios through the ODI versioning system
- Release of the BO Universe by import/export from the development domain to the production domain
- Scheduling of the ODI scenarios through startscen.bat ODI mechanism

Knowledge transfer

- **Project** Sony VOE Global Data Warehouse Implementation
- **Description** Integration of all the above projects in a global Data Warehouse architecture according to the Kimball methodology, with an extraction layer, conformed dimensions, level 1 Data Marts, and level 2 Data Marts.

Several ODI projects have been created to organize the extraction layer from the source application to csv files.

- Clarify Download
- ICM Download
- Master Data Download
- Download Ext Data
- Sales Download

Several projects have been created to organize the ODI development, automate the scheduling and dependencies of jobs, to centralize development for re-usability

- Centralization of all the job notifications by e-mail and "Wait For" scenarios in one project
- Creation of one small but critical project to clean ODI logs and refresh Global Variables on a daily basis
- Creation of one project to manage the replication of production data to development or integration environment to ease the work of ODI developers
- Creation of one project to centralize scenarios waiting for daily restore of SQL backup jobs
- Creation of one project to replicate the content of 3 FTP servers to centralized windows shares

Creation of an ODI project to manage all the conformed Dimensions

- Development of a specific IKM to Bulk Insert csv files for Ms SQL Server, as it did not exist in the ODI version at that time.
- Bug fix of the original IKM Slowly Changing Dimension, as the logic implemented in the original IKM did not follow the Kimball logic

Creation of a specific project to keep track of external reference data (country, language, ...)

Creation of a specific SQL Server db to store a dynamic calendar for the Data Warehouse

- **Project** Business Suite
- **Description** Development of a small ODI project to collect the maximum date of facts table to always show the latest information in end-user reports and avoid empty reports.

- **Projects** Sales Agent XP db, Garata ODS, FBI, Korogashi, Sales Revamp
- **Description** Coaching & Mentoring of other developers on Kimball methodology and ODI development.

- **Project** TVOE Demand Planning
- **Description** Solution Architecture
 - Mind map
 - UML Actor & Use Case Diagram for the As-Is and To-Be Situation

- **Project** ERPC BO 6.5 to BOXIR3 Migration
- **Description** Migration of a BO 6.5 environment stored on a DB2 database to a new BOXIR3 environment using the wizard provided with the BOXIR3 release.

01/2006 - 02/2006

- **Position** BI Consultant for CAAMI-HZIV

- **Project** Dashboard
- **Description** Detailed analysis of ETL process, as well as Business Objects universes & reports
 - Development of those ETL jobs with the Business Objects Data Integrator tool using Oracle 10g as database
 - Development of universes and reports with Business Objects 6.5
 - Automation, production set-up, scheduling of ETL and reports
 - Implementation of WEBI to access reports and universes through a web interface
 - Training of key-users for the Business Objects Tools (Reporter, Designer, Data Integrator) and introduction to star-modeling.
 - Knowledge transfer

07/2005 - 12/2005

- **Position** Business Development Manager for Stragittus

- **Project** Setup the training "Les Bases de la PNL"
- **Description** Analyse "As-Is State" and "To-Be State" of the potential attendees;
 - Identify concepts needed to move away from the "As-Is State" towards the "To-Be State";
 - Create training material (handouts & slides);

- **Project** Setup the training "Gestion des conflits avec Le Petit Prince"
- **Description** Analyse "As-Is State" and "To-Be State" of the potential attendees;
 - Identify concepts needed to move away from the "As-Is State" towards the "To-Be State";
 - Create training material (handouts & slides);

- **Project** Life Coaching for Individuals
- **Description** Coach individuals in analysing their current situation;

Coach individuals in defining their personal goal;

Define actions to move away from the current situation towards individual personal goal;

Train, support and coach individual in executing those actions.

09/2004 - 06/2005

- **Position** Datawarehouse Technical Head Of Project for Mobistar
- **Project** Functionnal Analysis for the Leonardo project (Customer DataMart v2)
- **Description** Analyse business requirements written by end-users;
Identify scope of the solution by using UML;
Create dimensionnal model and databus based on reports requirements;
Design database star-model using Oracle Designer;
Identify source table to populate target tables;
Design ETL batch process.
- **Project** Technical Project Leading for the Leonardo project
- **Description** Technical follow-up of the development team;
Manage weekly project team meeting.
- **Project** Personnal Initiative at Mobistar
- **Description** Develop Ms-Access application to collect metadata coming from several source databases.

05/2002 - 09/2004

- **Position** DataWarehouse Architect for Proximus
- **Project** DataWebhouse Design for PAW (Proximus Advanced Website) Auditing
- **Description** Create and design the whole technical architecture for reporting and dimensionnal analysis about traffic on Proximus Website.
- **Project** Solution Architecture for the following projects : PAW (Proximus Advanced Website) Auditing, Indirect Sales DataMart (ISDM), Credit Notes, New VPN, ProxiBill On-Demand, Knowledge Base on Intranet

- **Description** Analyse business requirements written by end-users;
Create dimensionnal model based on reports requirements;
Design database star-model using ER/Win Modeling;
Design ETL batch process.
- **Project** Detailed Design for the following projects: PAW (Proximus Advanced Website) Auditing, Indirect Sales DataMart (ISDM), Pay Per Performance (PPP), Info Trade Marketing, Marketing DataMart, Customer Database, Pyramid application and batch process review, Credit Notes, mCommerce, New VPN, Knowledge Base on Intranet
- **Description** Write Spec (DDL) for DBA: Tables structure, indexes, partitioning, sizing;

Write Spec for SAS Developpers: Mapping between target tables and source tables, ETL algorithym and pseudo-code, testing queries, process flow and data flow;

Write Spec for BO Developpers: BO Universes Specification, BO Reports Specification;

Present kick-off meeting to technical team.
- **Project** Personal Initiative at Proximus
- **Description** Develop Ms-Access application for timesheets vs invoice controlling;

Develop Ms-Access application to speed-up analyst task

10/2001 - 11/2001

- **Position** Java Developper for Maas Neotech
- **Project** Elite Management Software
- **Description** Development of a java-based software for data acquisition, presentation, and archiving

05/2001 - 09/2001

- **Position** Human Resources Interim Manager for UbiCall Communications SA
- **Description** Recruitment Task

Benefit and Compensation Package analysis, design, and setup

02/2001

- **Position** BO Certified Universe Builder for Versatel Amsterdam
- **Project** CSO
- **Description** Develop SLA Report based on a CLARIFY database, send it to customer via e-mail

Remodeling of the existing SLA Report

Implementation of the Broadcast Agent to burst the SLA Report

Development of VBA macros to automate the "Save as PDF" functionality, and the sending through e-mail

11/2000

- **Position** BO Certified Universe Builder for Siemens Business Services
- **Project** MIS - Financial Departement
- **Description** Data extraction from a SAP database (ESPRIT);

Upload procedure in Oracle;

BO universe & report design.

10/2000

- **Position** BO Certified Universe Builder for Mobistar
- **Project** Reporting on PLAN Application
- **Description** Create reporting on PLAN, an application recording timesheet and projects information (application developed on WINDEV).

Development of a universe on the PLAN database, and creation of standard reports.

06/1999 - 09/2000

- **Position** Business Analyst Consultant for Siemens Business Services
- **Project** R/3 Report & Go
- **Description** Develop the R/3 Report & Go solution (Business Objects on SAP R/3), manage the development environment, design new universes and reports (aged balance, stock availability, budget, material characteristics,..), develop strategies to read SAP metadata, develop

commercial demo,...

Installation of the R/3 Report & Go solution at Rodelle (12/1999), give end-user and supervisor course, develop new universes and report

Installation of the R/3 Report & Go solution at Trefil Arbed (Luxembourg, 12/1999), give end-user and supervisor course

Installation of the R/3 Report & Go solution at Laminoir de Dudelange (Luxembourg, 01/2000), give end-user and supervisor course, develop new universes and report

07/2000 Short Term Assignment

- **Position** BO Certified Universe Builder for Philips Mobile Display Systems (Heerlen - NL)
- **Project** Purchasing Information
- **Description** Obtain purchasing management information and operational information out of MFG/PRO (application running on PROGRESS)

Development of a universe on the purchasing table, and creation of standard reports

07/1999 Short Term Assignment

- **Position** Data Warehouse and BO Consultant for Bosch
- **Description** Give recommendation on the analysis, data-model design and implementation of a new Data Warehouse/Data Mart.

Design new BO universe using the new Data Warehouse

04/1998 - 06/1999

- **Position** Database Architect for M.A.C.H. (Luxembourg - LUX)
- **Project** Clearing Application Development
- **Description** Datamodeling responsible, Development DBA, DB Architect

Analysis, design, and implementation of new developments, developer support, query optimisation.

Quality Assurance responsible

Responsible of an OLAP project using Business Objects

01/1997 - 03/1998

- **Position** Programming Analyst for IBM Belgium

- **Project** BDW (Business Data Warehouse)
- **Description** Administration of the data extraction/refresh application.
Database Administrator for BDW in a DB2 environment.
End-users support

- **Project** Proprice (Pricing Application)
- **Description** Support and maintenance of a front-end application running in a DB2 environment
End-users-support