



Michael Lundquist, senior consultant



Michael Lundquist, 57, is a senior consultant at the Architecture Management business area and Data Warehouse, BI & MDM area. M.Sc.- Computer Science

Michael is an Enterprise Architect with 35+ years of experience in

- IT / EA Architect on DW – BI and MDM areas
- Specification, design and implementation of DW, BI and MDM solution
- Data governance definition and implementation for Master Data Lifecycle Management
- Data quality program implementation
- Data & System integration and Data harmonization (MDM)
- Requirement specification assignments
- Enterprise data modeler both on conceptual, logic and physical level
- Specification of Enterprise architecture
- Specification, Design and roll-out of application integration solutions
- XSD, XML and SOA architect
- Advanced DBA profile (designer, developer and supporter)
- Project Management in agile development projects

In summary, Michael has

- Ability to understand and map business requirements into actual solutions
- Act in the field between business and IT (connection Business and Technology)
- Strong experience to convert business requirement into requirements specifications used as baseline for data integration and system implementation
- Experience working with large and international wide companies across the Scandinavian countries (Arla Food, SAS Airline and AP Møller Mærsk)
- Extensive and broad knowledge of leading applications
- Strong experience in application development processes and application integration

Michael is a certified TOGAF Enterprise Architect and the concept-manager of the *Business Integration Architecture* business area at www.dataarkitekt.dk.

Michael is a certified Prince2 Project Manager.

WITIN THE RECENT YEARS, MICHAEL HAS PARTICIPATED IN THE FOLLOWING PROJECTS

- ***Master Data and Data Architect assignment for Gyldendal, 2013-***

Data architect, data modeler, master data manager and database designer/administrator long term assignment. Also doing business requirement specification, solution design and act as an advisor for implementation on (primary) a Microsoft platform.

Definition, Design and implementation of a Master Data Management (MDM) solution on the Party and Product domain area.

- ***GeoData administration – Geo system- and infrastructure assignment (February - April 2013)***

An AS-IS documentation of the Danish public "Geo map distribution" solution (25 major application and service integrations) in relation to the future Danish public data provider environment. Also a vision task evaluation of TO-BE scenarios for MDM and integration solution.

- ***APMM – X-Leap project; Data Manager and DevOps role (September 2010- January 2013)***

Project assignment in the areas of data modeling, master data database designer, XSD / XML definition & documentation, integration design for interfaces between the OSB area to/from back-end applications. Review of solutions in a SOA & OSB environment and finally BPM/Portal implementation in an agile /scrum method project environment.

Adding new data model sub-area to the Enterprise Data Model (EDDM) documented in Aris and Erwin.

Modelling and designing of the Geo data MDM database solution.

Continues master data management and data quality activities across the different feature team deliverables.

XSD definition aligned with the enterprise models followed by XML definition and documentation for a series of business domains.

Integration solution design for interfaces between the Portal layer ⇔ OSB layer ⇔ back-end applications. A series of interface documentation tasks including maintenance of the same documentation.

Translation of business requirements into logical data models used as input for database design of the different X-leap databases and for database structures requested by the E-SLT and the SIS project.

Documentation of interface and database solutions in Toad Modeler tool, technical documents, wiki site, etc.

Various monitory work providing constantly data information to analyzing problem cases on.

Database deployment supporting in a Dev-Ops department using deployment tools as Subversion, Hudson, etc.

- ***Finansministeriet (education sector: UVM and VTU, etc.) (2009-2010)***

Mostly a data warehouse (data) maturity assignment for the whole Danish education area. The assignment consist for three phases:

- 1) to document used systems and data inside systems for all education institutions on the UVM and VTU side
- 2) to evaluate the data maturity in all used system (based on the Devoteam data warehouse & BI maturity model method) and definition of MDM & data governance strategy
- 3) definition an target solution and belonging road map to implement a nationwide data warehouse solution for the whole education area in Denmark.

Specification of business KPI and implementation of a prototype (on Microsoft platform).

- ***Kriminalforsorgen (DfK) and Region Sjælland (2009)***

A Integration, Data warehouse and BI strategy assignment. Definition of the data warehouse strategy & BI for the whole company. Starting with documentation of the AS-IS situation, defining the vision, principles & requirements for the future and creation of the target data warehouse & BI architecture (build upon the Devoteam best practice method). Definition of the advised road map for implementation of the strategy.

Help Region Sjælland to implement first version of a DW/BI solution on a Microsoft platform

- ***Danmarks Miljøportal (2008-2009)***

A MDM assignment for “miljødata” across all entities in Denmark (kommuner, miljøcentre, etc.).

Gathering of business requirements and development of business case for specification of requirements for harmonization of geographic and environmental data at Danmarks Miljøportal.

Review of database implementation of different solution databases.

- ***Business Intelligence, Data Warehouse and Master Data Management assignments (1996 – 2012)***

Strategy and specification assignments at DONG Energy and Mærsk Line (2010 – 2012),

Master Data Management and Data Quality: AMS (2008-2009), Bank Data (2006), DnB Nor Bank (2006), Energinet.dk (2006), Arla Foods (2003 – 2005), CVR (1996 – 1997), etc.

Review of Data Warehouse solutions at Bank Data(2006) and Kommunedata (2006).

- ***Data- and system integration & ETL data Warehousing data migration assignments***

DnB Nor Bank (2006), Arla Foods (2003 – 2005), Finnish Fur Sales (2001 – 2002), SAS Airline (1999 – 2000).

Mostly ETL, Data flow and data base design activities. Database administration.

- ***Information Management assignment at Danish Railway (DSB) (2005-2006)***

Consulting assignment in an Information Management (IM) / Master Data Management (MDM) project at DSB.

The first goal was to document facts about Master Data object use, interfaces between systems and data quality inside systems.

The second goal was to identify existing and expected future business initiatives.

The third goal was to define the logical requirements for the Integration architecture, Master Data architecture, Meta Data architecture and Data Warehouse architecture inside the area covering IM.

The fourth goal was to describe and prioritize Data Quality issues and simultaneously evaluate Data Profiling tools for future use in the DSB organization.

The overall aim is to define a project portfolio of IM task in the future at DSB

Roles: to describe the system landscape with focus on system interfaces, usage of master data objects (entities) as well as status of the data quality level inside the DSB system landscape.

Start a series of data quality activities to evaluate data profile tools for DSB to create the framework for the implementation of data profiling tasks.

- ***Data migration and Data Warehouse assignment at Arla Foods (2003-2006)***

Consultant assignment as team leader for the Data Migration group at Arla Foods in Viby, Århus.

The purpose of the integration and data migration task was to transform and map business data from SAP R2 into the new set-up inside the SAP R3 system.

Roles: to collect and define the MDM and data migration requirements at different Arla Foods divisions, to participate in the ETL development activities and management of the migration team (4 persons)

- ***Development of an CRM solution at the Danish Postal Office (2002-2003)***

Implementation of Post Denmark's Corporate Customer portal including definition of CRM initiatives.

Carrying out business analyses (advising, participating in requirement definition and planning of future phases).

Participation in development activities (standard solution on an Oracle database platform).

Roles: to collect business requirements through structured interviews with business employees. IT project leader and management of the development group (6 persons, both internal and external resources)

- ***Data migration and portal development assignment at Finnish Fur Sales (International Fur action house (2001-2003)***

Decision advice and requirement specification for the public Internet site, Extranet site and Electronic market place.

Implementation of the Internet and Extranet sites.

Complex integration task for the implementation of interfaces between existing back-end systems and the Extranet database (a kind of ETL-process).

Implementation of a CRM solution.

Roles: design of the technical platform architecture, design of the Extranet solution, database design, database administrator activities. Technical design of the synchronization mechanism the exchange of data to/from partners (Buyer/Farmer)

- ***Portal development and Data Warehouse scope at House of Prince (2001-2002)***

Consultant assignment and decision advice report on an automatic replenishment system, Internet site, Intranet site, Extranet site and Data Warehouse solutions.

Requirement specification for all above listed areas. Helping with a competitive tendering and with the evaluation of proposals regarding automatic replenishment and Data Warehouse solution.

Implementation of an Internet site.

Roles: making decision advice report, making material (requirement specification, etc.) and put out to competitive tendering and advice with regard to incoming proposals.

- ***Data Warehouse solution implementation assignment at SAS Airline in Stockholm (1999)***

Implementation of a Data Warehouse solution starting from requirement specifications until the final system use.

Business Intelligence covering flight information and patterns.

Roles: team leader for the integration and ETL process (migration of data from legacy Flight system into the ODS inside the Data Warehouse solution (4 persons in the ETL team)

- **Master Data Management and data migration assignment at CVR (1996-1997)**

Decision advice, making material (requirement specification, etc.) and put out to competitive tendering and advice regard to incoming proposals for development of the Central Company Registration (Centrale Virksomhed Register - CVR) system.

Head responsible for the overall data modeling, integration and database design for new CVR database (a MDM solution).

Customer: 5 public authorizations.

Roles: making decision advice report regard the low paragraph for CVR, dialog with the 5 public authorizations for definition interfaces used in the workflow for company creation using the CVR system.

Making material and put out to competitive tendering, making the physical database design and the baseline for the technical platform supporting the exchange of company data between the 5 public authorizations and CVR

- **Various (1993-2000)**

Project management, decision advice task, making material (requirement specification, etc.) and put out to competitive tendering and advice with regard to incoming proposals and implementation of IT solutions for customers listed below:

- Post Denmark (Tracking and Trace solutions, barcode and OCR solutions, logistic and production systems). Roles: Technical design of interfaces between vendor's production machines (i.e. Letter sorting machines) and Post Denmark's Oracle database systems for exchange of distribution data etc. Management of vendor deliveries and definition of interfaces plus design of principles for handling of big data volumes)
- Creation of Data Administration Function at Post Denmark. Roles: development of method for use of data administration in all system development phases plus participating in upstart of the Data Administration department
- Told- og skat (Danish Tax) (decision advice and requirement specification for the new Integrated Company system). Mega assignment including management of business people participation in the analysis phase (20 project members, 8,000 tax rules)
- TV2 Reklame (half public TV commercial company) (decision advice, requirement specification and competitive tendering)

PROFESSIONAL QUALIFICATIONS

CATEGORY

COMPETENCE

Databases

MS SQL Server database platform
Oracle – more than 20 years of experience
Oracle - Oracle Database version 11g
Oracle – OEM, knows the supporting network at Oracle DK
Oracle – Performance tuning

	<ul style="list-style-type: none"> Oracle – Deployment Oracle – APEX Oracle – Security set-up Oracle – Guidelines and DB governance Oracle – DB schema creation and deployment MS SQL and SQL Server IBM DB2 UDB Informix
Integration and Automated Deployment	Tool for supporting the whole deployment process: Subversion, Hudson
Data Modeling tools	Erwin, Toad, Aris, Visio
Development method, model & tools	Agile / Scrum JIRA Confluence TOGAF, Prince II
DW, BI, Data Quality & ETL tools	SSIS, SSAS, SSRS Informatica / Powercenter Businessobject and Gognos DataFlux, DataStage and QualityStage Oracle Warehouse Builder SAS DI Studio
Industry knowledge	Logistics and Production Shipping and Transport Bank Communication & E-business Financial Pharmaceutical industry Public sector
IT Consulting	Data Modeling Data Warehouse Architecture Master Data Management Data Governance Data Quality programs Enterprise Application Integration (EAI) Enterprise Data Warehouse (EDW) Enterprise Information Portals (EIP)
Portals	Microsoft SharePoint Server / Wiki
Programming	Cobol / PL1 HTML Oracle PL/SQL Oracle DDL/DML scripting SQL XML
Server technology	OSB / OBPM Web Logic Server JBOSS Jrules
Selected Legacy systems	SAP
Operation Systems	MVS/TSO

Unix / Linux
Solaris
Windows

PROFESSIONAL EXPERIENCE

YEAR	PLACE AND FUNCTION
2013 - 2015	Dataarkitekt.dk
2007 – 2013	Devoteam Consulting – Senior Consultant, Architecture Management, Business Intelligence, Conceptual & logical data modelling, Data & System integration and Data harmonization
2006 – 2006	Energinet.dk – Data Quality responsible
2003 – 2006	Platon A/S – Senior Consultant, Data Warehouse solutions, Data quality Management, Master Data Management, Information Management and Business Intelligence
2000 – 2003	Valtech / Ahead - Senior IT Architect, AHEAD /Valtech - Internet, intranet and Extranet Architect
1993 – 2000	PriceWaterhouse & Coopers (Coopers & Lybrand / PwC) - Consultant / Data Architect - Business- and IT consultant
1987 – 1993	m & p rådgivning ApS – Consultant, owner and founder - Business- and IT consultant
1986 – 1987	Helios Software ApS - Consultant - IT Consultant
1985 – 1986	Magasin du Nord - Project manager - Department leader, project management and development work
1984 – 1985	Texaco - Project manager and Senior programmer - Programming and development work
1979 – 1984	Magasin du Nord - Programmer - Programming and project manager

OTHER INFORMATION

Participation in EMEA (Europe and Africa) Data Warehouse “core” group at Coopers & Lybrand, 1997 – 1999.

Management responsible for the Data Warehouse group in Coopers & Lybrand, Denmark

Participation in Scandinavian Data Warehouse “core” group at PriceWaterhouse & Coopers in the period 1999 – 2000

Former member of TDWIDK (The Data Warehouse Institute Denmark)

Participation in the definition of IT educations, e.g. definition of modules/lines on the “Datamatiker”-education.

Teaching in Data Warehouse (the ETL- process for DW implementation) at København University.

Teaching in following areas:

- Object oriented methods
- Data modelling (logical and conceptual data modelling)
- Database design
- Structured analysis method
- Data Warehouse methods and techniques
- How to make material and put out to competitive tendering, how to make the competitive tendering and how to handle incoming proposals

Development of internet based solutions; internet, intranet and extranet solutions. Including interface (ETL process) to Back-end systems.

Analysis and design of Business Intelligence and Data Warehouse solutions.

Decision advice, making material (requirement specification, etc.) and put out to competitive tendering and advice with regard to incoming proposals.

Project management of the whole IT development process including experience in managing external vendors and possible subcontractors.

Broad business knowledge acquired through private as well as public implementations:

- Logistic and production systems
- public authorities
- The financial sector
- Retail sector and electronic marketplaces
- Pharmaceuticals and biotechnological industry

Experience in project management integrated with the use of structured methods (Unified Process method, Unified Modelling Language and documentation tools such as Visio and Rational Rose)

LANGUAGES

English – written

English – spoken

Swedish – spoken

German – spoken