



Michael Bruhn

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PROFILE

I offer development and advisory within SAP BI and HANA. I have worked on various technical aspects in and around the SAP ecosystem for more than 25 years - more than 20 of these has focused on business intelligence. I am a full-stack BI and HANA developer which means that I architect, model, integrate and develop solutions based on a broad understanding of many layers and different technologies such as BW, XS/XSA, ABAP, SQLscript, UI5 and JavaScript. I have a strong analytical sense, the business skills and technical expertise to match it - **because at the end of the day running code is king!**

TECHNOLOGY SUMMARY

BW Areas	FI-GL/AR/AP/SL, LO-LE, CO, CO/PA, COPC, PM, PCA, MM-IM, MM-PUR, PP, PI, PS, QM, HR, APO, SD, BC
HANA	XSC, XSA, XSJS, SAP UI5, SQL/script, Procedures, Functions, XSJOB, XSODATA, CDS, SDA, Calculation & Scripted Views, Security & Privileges.
Programming	ABAP, JavaScript, SQL/script, Python, Node.JS, Swift.
Databases	HANA, Oracle, MSSQL, MySQL, MongoDB, AX Dynamics, Oracle

Certified developer and modeler in HANA 2 SPS 5 and previously in BW versions 1.2a, 1.2b, 2.0b, 3.0, 7.0

RECENT PROJECTS

Sr. Hana developer (Jysk, Aarhus, Denmark)

02.2019 | 01.2021*

I develop solutions using HANA technologies primarily for CAR reporting to provide detailed analysis regarding online and shop sales. To optimize performance, I have designed and implemented a pushdown concept that ensures user selections are transferred from BEX to the HANA views to support an optimal performance for complex selections e.g., time dimensions and hierarchies. With my expertise in HANA - I have provided HANA education, performance workshops and model tuning.

I am responsible for the technical implementation of a data lake/hub system using HANA XSA(Native) to support advanced analytics. This provides users with exposure options, a data catalog and a data transfer platform to easily import structured files directly into tables.

Technologies: HANA | ABAP | CDS | SQL and Graph script | SAP BW | Calc Views | Table Functions | Stored Procedures | Composite Providers | AMDP | HANA Authorizations | ADSO | SDA | XSODATA | XSA | JSON collections | REST services | NODE.JS | Knime | HDI

Sr. Hana developer (Energinet, Fredericia, Denmark)

08.2018 | 06.2020

At this client my work involved daily monitoring of BI related components within SAP BW, S/4, WEBI, and BODS. Besides I implemented reporting models within S/4 (embedded BW) The models involved application areas as HR, BPC, MM, CO and PS. The client wanted to combine data using powerBI and I established a POC (using the concepts of indirect static read - push from HANA) allowing for maintenance free integration from HANA views to separate MSSQL database.

Technologies: S/4 HANA | ABAP | SQL | SAP BW | Calc Views | Table Functions | Stored Procedures | BODS | Composite Providers | AMDP

EDUCATION

2001 - 2003

Executive MBA

DTU, Denmark

1992 - 1994

AP, Computer Science

Dania, Denmark

1990 - 1992

EDP Assistant, Software

Dania, Denmark

LANGUAGES

Danish (Native)

English (Professional)

German (Knowledge)

Swedish (Knowledge)

WHO USES MY WORK

EnergiNet - Danish Crown
Danfoss Solar - ARLA
LEGO - JYSK - Fertin
Bestseller - GN Netcom
ECCO - Salcomp
M-Real - GAMBRO - Nordea
Novozymes - Danish Defense
Aradigm - Ekones - Energi E2
Storstrøm - NKT - Ferrosan
DSB

RECENT PROJECTS (cont'd)

Sr. Hana developer (Danish Crown, Randers, Denmark)

10.2017 | 10.2018

I worked primarily with HANA technologies and also with the integration between BW, HANA and PA. I have built several solutions. One solution ensures that environmental elements (e.g., waste, chemicals usage) are logged. Another solution is a detailed simulation of cost estimates which is built on top of BW COPC – that allows business to simulate changes on a level which surpasses that of the ECC Costing.

Technologies: HANA | ABAP | CDS | SQL | SAP BW | Calc Views | Table Functions | Stored Procedures
Composite Providers | AMDP | HANA Authorizations | ADSO | SDA | XSODATA | XS

Hana Advisor (Rockwool, Hedehusene, Denmark)

03.2018 | 07.2018

I assisted the client primarily in an advisory and training capacity in relation to what HANA technologies to adopt when and how. In connection with the project, I worked various performance aspects as well as ad-hoc development which wasn't scoped in the project itself.

Technologies: HANA | ABAP | CDS | SQL | SAP BW | Calc Views | Table Functions | Stored Procedures
Composite Providers | AMDP | HANA Authorizations

Sr. Hana developer (Arla, Aarhus, Denmark)

11.2017 | 12.2017

I developed a solution that allows the client to analyse/visualize product complexity in MS Power BI. The solution takes information from production/packaging, sales, forecast, material. It determines a relative complexity and commercial attractiveness on the individual products (on SKU level).

Technologies: HANA | CDS | SQL | Calc Views | Table Functions

Sr. Hana developer/Project Manager (Danfoss, Nordborg, Denmark)

01.2017 | 09.2017

As a part of the oneERP project which introduces a new source system based on S/4 HANA I migrated the Vendor Quality setup in BW. Vendor quality relies on QM, Purchasing and Material documents. The extractors in S/4 HANA was partly relying on standard extractors (Logistic Cockpit), ABAP programming and CDS views. Extraction into BW was accomplished using ODP. Moreover, I designed and developed an authorisation setup for the client by which critical tables remained unavailable for view development and transportation. From June, Project manager for BI-FI related build activities.

Technologies: HANA | ABAP | CDS | SQL | S/4 HANA | SAP BW | Calc/Scripted Views | ODP | Stored Procedures
Composite Providers | DB Proxy | AMDP | HANA Authorizations | Open ODS views | ADSO

HANA Native development (Arla, Aarhus, Denmark)

09.2015 | 01.2017

I developed a web application (SAPUI5) on HANA Native platform. The application allows program and project managers to update forecasts for their projects in hours, travel cost, other cost and the first year of operations month by month. The forecast figures can be versioned to allow for deviation analysis. The activities involved everything from the data model, foundation, backend functionality, UI/UX experience, reporting views and the security model. Development of SQL scripts, procedures and jobs for authorizations analysis on HANA.

Technologies: HANA | ABAP | SAPUI5 | CDS | SQL | JavaScript | XS | Calc/Scripted Views | Stored Procedures
Composite Providers | DB Proxy | XSODATA | HANA Authorizations | ADSO | Webservice | XSJOB