

# Profile

## Michael Ohnemus



### What I am offering

- A legally secure cooperation via my own GmbH
- 27 years of professional development experience at SAP
- 4 years of self-employment with successful projects for well-known customers (Hugo Boss, Lidl, Schäffler Automotive, Springer Nature, Brenntag) with the focus on
  - Full Stack S/4HANA Development and migration of customer specific solutions from Business Suite to S/4HANA
  - SAP architecture for object-oriented, modular, and international applications on premise (ERP, S/4HANA) and Cloud Platform
  - Data replication and synchronization from and to SAP NetWeaver / ERP and S/4HANA
  - SAP Gateway / OData / Fiori development
  - SAP ABAP OO development
  - SAP HANA database development & Big Data
  - SAP Hybris Marketing (on premise)
- Many years of experience in product and portfolio management
- Excellent architectural knowledge (OData, SAP ERP, HANA, data modelling)
- Excellent development quality with a modern, object-oriented, and modular development style, efficient in remote collaboration
- Very good knowledge of English and experienced in dealing with international, multicultural teams

### What I am looking for

- Architectural and development projects in the Rhine-Neckar / Rhine-Main / Ruhr regions with a project duration of 3 - 18 months, full and part time, with 50+% remote work
- Proof-of-Concept projects
- Interim Management Projects
- Organisation of training and workshops

### What I am NOT looking for

- Projects with a focus on pure consulting and project management
- Projects with focus on the modification of SAP solutions
- Projects based on 'old school' technologies like SAP IDoc, EDI
- Permanent employment

### Languages

- German as mother tongue

- English very good and business fluent, including top management communication and speeches at international events

## Personal Information

Born in 1958, married since 1992, 2 children, living in Wilhelmsfeld near Heidelberg. Hobbies are soaring (see [www.sfv.de](http://www.sfv.de)), skiing, hiking, mountain biking and cooking.

## Projects as freelancer

### Knowledge-Update for S/4/HANA Full Stack Development and Certification at SAP SE (October 2020 to March 2021)

Through a comprehensive training at SAP my focus is extended to the following know-how areas:

- Full stack development of customer-specific extensions and own solutions on S/4HANA Cloud and on-premise versions, with focus on the backend and system integration
- Development of Cloud Platform based solutions, with a focus on ABAP code
- Migration of customer-specific modifications and extensions from SAP Business Suite to S/4HANA.

This will be completed by corresponding certifications at the end of Q1/2021. During this period, I am only available for projects to a very limited extent.

### Implementation of a Content Hub on SAP HANA Cloud at [a nondisclosed company] (March 2020 - September 2020)

The follow-on project began in March 2020 at a company which requested nondisclosure of company name and project details to protect the competitive edge.

At a high level, the goal was to build a content hub based on an S/4HANA implementation and several SAP-based legacy systems with an SAP HANA cloud instance to serve as the basis for a customer portal implementation.

A proof of concept project with SAP SE was carried out, which was successfully completed in June 2020. Subsequently, the own SAP Cloud Platform & SAP HANA Cloud system landscape was built, and a reference implementation was started.

This reference implementation maps the sales related data model compatible with SAP ERP and S/4HANA. It has been completed and by the end of September 2020.

### OData-based content replication at Brenntag AG (March 2019 – February 2020)

As a follow-up project, OData-based services for the content replication of master data, receipts, material prices, and PDF documents between the SAP ERP back end and the applications on the customer portal were developed since spring 2019. The OData based replication replaced an IDoc based replication.

These services were designed in a modular and object-oriented way and allow easy adaptation of regional requirements. In spring 2020, the Benelux and Central Eastern Europe regions went live. Compared to the IDoc-based replication, significant improvements have been achieved in the following aspects:

- Performance - high performance through mass replication and minimised data volume
- Operational safety – no overrun effects and easy to re-start
- Internationalisation - Efficient adaptability to regional requirements.

### Customer portal at Brenntag AG (January 2018 – February 2019)

At Brenntag AG, a chemicals wholesaler, I developed OData Services for orders in the customer portal. For the front end, the application was using standard UI libraries. An important aspect was the easy adoption to regional requirements using an ABAP OO solution with inheritance of a core data model.

On the application side the focus is on the simulation or creation of SAP SD orders as well as the provision of safety data sheets (SAP EH&S). The project went live at the end of November 2018.

### SAP Hybris Marketing on-premise implementation at Springer Nature

(September 2016 - December 2017)

At Springer Nature, a well-known science publisher in Heidelberg, I developed the product data and order data interfaces to ERP, CRM and the production systems for books and magazines in the Hybris Marketing Project.

My responsibilities were:

- SAP Hybris Marketing adaptations and extensions
- Master data interfaces for business partners from CRM and ERP systems
- Master data interfaces for products from the production systems (XML based)
- Document interfaces for orders from the CRM system
- HANA content of any kind

The complexity was consistently high and required extensive adaptation and expansion in Hybris Marketing in close cooperation with SAP SE.

### Aftermarket Returns System at Schaeffler Automotive (November 2016 - April 2017)

At Schaeffler Automotive I developed together with a user interface team at Sovanta (Heidelberg) a comprehensive oData based application for handling the warranty and returns process. The application was developed front-end with UI5 / Fiori components.

My responsibilities were:

- Architecture and data modelling of the oData persistence framework
- Development of the oData Framework in a team

The project went productive in September 2017. Due to the parallel Springer-Nature project, my assignment was limited in time from the outset. The experiences made during the oData development were very interesting and went far beyond the usual oData extensions due to the solution's independence.

It was impressive to see how much existing ERP functionality can be optimised by a modern UI.

### SAP HANA applications for SAP Retail CAR at Lidl (May 2016 - April 2017)

In the 'Lidl Integration Centre' at Sovanta (Heidelberg) I developed several SAP HANA based applications. The team was composed of very experienced process experts / developers from Lidl and UI design / frontend developers from Sovanta.

The goal was to develop real-time applications based on SAP Retail CAR (the shop receipt data), using all SAP HANA specific features like fuzzy search and big data prediction models to the advantage of the user.

My responsibilities were:

- Development of SAP HANA specific SQL code for search and prediction
- Development of the SAP Gateway / oData backend classes for the connection of the UI

The solutions developed in this project acted as a showcase and were presented in detail in the promotional video of the 'Lidl Integration Centre'. This was a very interesting and innovative project!

### SAP Hybris Marketing Implementation at Hugo Boss (July 2016 - November 2016)

In the Hugo Boss implementation of SAP Hybris Marketing I developed parts of the master data integration between Microsoft CRM and SAP Hybris Marketing.

My responsibilities were:

- Analysis of the CRM data model versus the SAP Hybris Marketing data model
- Analysis of master data in SAP Hybris Marketing
- Optimisation of the mapping between the systems
- Development of SAP HANA SQL Views
- Configuration in SAP Hybris Marketing
- Communication between SAP development and Hugo Boss

After the first phase went productive, I left the project for capacity reasons. It was impressive how much was achieved in this short time. A small and efficient team consisting of Hugo Boss, KPS and external experts.

## Professional experience

### Independent with Cloud Components Germany GmbH

May 2016 - now

Under the early retirement programme, I accepted SAP's offer and left SAP in November 2015.

Too early for me to retire from professional development! So, I decided to work as a freelancer, took some holiday after 27 interesting years at SAP and started my own company in April 2016.

### Development architect for HANA applications in 'Customer Engagement and Commerce (CEC)' at SAP

April 2011 - October 2015 (4 years 7 months)

In April I changed to the new development area for SAP HANA based applications. The mission was the agile development of completely new applications based on the SAP HANA database, an ABAP Objects backend, and a UI5/Fiori frontend in a total team of ~200 developers.

My tasks were:

- Design and development of Hybris marketing components
- SAP HANA Content for customer data and segmentation
- Master data extraction from ERP and CRM backend systems
- Design and development of a 'Fraud Management' component for behaviour analysis in Hybris Marketing, development of HANA specific SQL algorithms and stored procedures
- Performance optimisation of SAP HANA Content, evaluation of implementation alternatives from a performance perspective

My special achievements were:

- o Development of design patterns for the efficient integration of HANA specific code into ABAP object-based backend systems
- o Development of a cross-application infrastructure for the performance-optimised extraction of large data volumes from back-end systems
- o Development of a cross-application infrastructure for loading CSV data in the front-end
- o Development of HANA specific, efficient SQL algorithms for behaviour recognition in social media
- o Continuous contribution in the performance and modelling expert groups

The following products were developed with my participation (no guarantee for stable URLs at SAP):

o 'Demand Signal Management' in which POS 'demand' signals from retailers are matched with 'supply' signals from manufacturers (<http://go.sap.com/product/scm/demand-signal-management.html> )

o 'Hybris Marketing' (<https://www.hybris.com/de/marketing> )

o 'Fraud Management' in which large volumes of transactional data are analysed and suspicious deviations are identified (<http://go.sap.com/product/analytics/enterprise-compliance/fraud-management.html> )

Summary of the professional experience from 1981 to 2010

Here you find the complete versions for this period:

<https://cloudcomponents.de/profil/>

Senior Product Manager at SAP

April 2010 - March 2011 (1 year)

Senior Portfolio Manager at SAP AG

January 2009 - March 2010 (1 year 3 months)

Solution Director in 'Wholesale Distribution' at SAP

June 2005- December 2008 (3 years 7 months)

Development Manager in Wholesale Distribution at SAP

November 2002 - May 2005 (2 years 7 months)

Development Manager at SAP Markets

January 2001 - October 2002 (1 year 10 months)

Development Manager in 'Logistic Execution' (SD 'order-to-cash') at SAP

January 1998 - December 2000 (3 years)

Senior developer in 'Logistic Execution' (SD 'order-to-cash') at SAP

January 1995 - December 1997 (3 years)

Senior developer in 'International Development' at SAP

February 1993 - December 1994 (1 year 11 months)

Senior Consultant & Team Leader for 'Logistic Execution' at SAP Asia

January 1991 - January 1993 (2 years 1 month)

Consultant for 'Logistic Execution' at SAP  
October 1988 - December 1990 (2 years 3 months)

Consultant for logistics and finances at DATEV eG  
April 1986 - September 1988 (2 years 6 months)

Managing Director at Ohnemus  
August 1981 - March 1986 (4 years 8 months)