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|  | Phillip Biermann  BI Consultant  Bachelor of Science -International Business Administration |

Consulting Emphasis

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| * Conception and development of reporting solutions * Report & application design (layouting / corporate design) * Requirements engineering & KPI design |

Industry Know-how

* Public sector
* Energy sector
* Banking
* Online retail
* Industries / Engineering
* Transport

Professional Career

* since 03/2019 Q\_PERIOR
* 10/2017 - 02/2019 Freelancer – BI Consultant
* 07/2015 - 09/2017 CONOGY GmbH – SAP BI
* 09/2014 - 06/2015 KPMG Consulting – Financial Services

Functional and Method Competencies

* Requirements engineering for analytics architectures and reporting solutions
* Report & application design (layouting / corporate design)
* Reporting-Frameworks / International Business Communication Standards (IBCS / Hichert)
* Data engineering & modeling (relational & dimensional)
* Functional emphasis: Accounting, Controlling & HR

IT Competencies

* Frontend & Self-Service BI
  + SAP BO (Design Studio, Lumira Discovery & Designer, Analysis for Office)
  + SAP Analytics Cloud (SAC)
  + Microsoft Power BI Desktop
  + Tableau Desktop
  + Alteryx
* Backend & ETL
  + SAP NetWeaver BW / SAP BW on HANA
  + SAP HANA Native
  + SQL Server Management Studio (SSMS) / SQL Server Integration Services (SSIS)
  + Tableau Prep Builder
* Reporting Platforms
  + SAP BO BI Platform (incl. IDT)
  + Microsoft Power BI Report Server
  + Tableau Server

Certifications

* SAP Certified Application Associate - Business Intelligence NetWeaver 7.0 (2015)
* Predictive Analytics for Business Certification, Udacity Nanodegree Program (2018)
  + CRISP Data Mining Framework
  + Data Cleansing
  + Conception and calculation of predictive models with Alteryx (Linear & Logistic Regression, Decision Trees, Clustering, etc.)
  + Visualization of results with Tableau
  + Apply visual encodings and design principles to ensure data integrity
  + Usage all available features (e.g. charts, filters, hierarchies, calculated fields) for explanatory analysis
  + Usage storytelling to summarize statistical results and convey a message
* Frontend Developer Certification, Udacity Nanodegree Program (2019)
  + Introduction into HTML, CSS, JavaScript
  + Responsive Design
  + JavaScript ES6
  + GitHub
  + Object-oriented Programming
  + Testing und Test Suites (gulp.js)
  + Frameworks & APIs (jQuery, Ajax, Angular, Ember)
* Data Engineering Certification, Udacity Nanodegree Program (2019)
  + SQL & NoSQL Databases (PostgresSQL & Apache Cassandra)
  + Cloud Data Warehouses (AWS Redshift)
  + Cloud Data Lakes (Apache Spark)
  + Build, automate and monitor data pipelines (Apache Airflow)
  + Programming with Python and respective APIs
* Data Engineering & Data Science Basics, openHPI-Kurs (2020)

Language Skills

* German (mother tongue)
* English (fluently)

Project Experience

Analysis, evaluation und concept of to-be SAP reporting architecture within the scope of a S/4HANA greenfield implementation, canton of Berne, Switzerland (since September 2019 – on-going)

* Preliminary design study to identify the optimal SAP BI and reporting architecture based on the requirements of finance, logistics and HR
* Create a reporting concept incl. effort estimation based on a gap analysis between SAP best-practices and requirements of the canton
* Initialisation of SAP Analytics Cloud (SAC) Reporting Proof-of-Concept

Re-development of financial and operative reporting system based on SAP BO to MS Power BI, Innosuisse, Berne, Switzerland (September 2019 – on-going)

* Requirements engineering and definition of deliverables in agile environment (Azure DevOps)
* Report design and implementation of reports based on Microsoft Power BI Desktop
* Re-development of business logic from SAP BO Information Design Tool (IDT) within Microsoft Power BI and SQL Server
* Configuration of on-Premise Reporting-Platform (Microsoft Power BI Report Server)
* Development support in designing and testing data models in SQL Server
* Development support in designing and testing ETL-process with Microsoft SSIS

Management consulting in the area of market and customer segmentation, BKW Energy, Berne, Switzerland (May 2019 – September 2019)

* Research support while developing a new strategy for current markets, analysis of new markets and resulting into an effective to-be customer segmentation

Development of MVP visualising certification processes of different car models, Daimler AG, Stuttgart, Germany (March 2019 – August 2019)

* Conceptualizing and development of minimal viable product (MVP) that allows end-users to plan and manage certification process (based on legal standards, e.g. WLTP, NEFZ, etc.) using Tableau Desktop
* Execution of Design Thinking workshops
* Communication with offshore staff regarding data extraction from Oracle DB
* Data integration and modelling of analytical data structure with Tableau Prep Builder

Proof of Concept – Value Driver Tree, LANXESS AG, Köln, Germany (October 2018 – December 2018)

* Development of a PoC application with SAP Lumira Designer 2.1 and VisualBI Value Driver Tree extension within the scope of a rolling forecast implementation:
  + 50+ KPIs and value drivers
  + capability to write simulated data back to SAP BW
* Upgrading and testing the application to SAP Lumira Designer 2.2maintaining the same functionality

Management Dashboard Re-Design & Implementation, Bombardier Transportation GmbH, Berlin, Germany (May 2018 – September 2018)

* Re-design and implementation of an executive KPI dashboard with SAP Lumira Designer 2.1 into full-fledged business application using a guided dashboard approach:
  + Responsive design allowing to view KPI overview page on mobile phone and detail analysis page on tablet as well as desktop
  + Customer-specific KPI tiles developed as a composite
  + Dynamic creation of tiles only based on available data allowing slim design-time layout and fast startup time
  + Special self-service capabilities using the new bookmark concept allowing KPI owners to layout and design their own detailed analysis page during run-time and make it a default layout for all users
* Requirements engineering and communication with business
* Development by agile methods (daily scrums, user stories, sprints, etc.)

Management Dashboards, SBB AGG, Bern, Switzerland (October 2017 – May 2018)

* Developing a Management Operation KPI dashboard for the department Infrastructure with SAP Design Studio 1.6 and graphomate extensions (IBCS standard) incl. query design
* Integration of a commentary solution in the dashboard (FIVE1 CS5) for SAP Design Studio 1.6
* Developing a Management Dashboard for HR Controlling with SAP Design Studio 1.6 and graphomate extensions incl. query design; used by more than 3000 management supervisors
* Adhering to International Business Communication Standards (IBCS / Hichert)
* Communication with business, requirements analysis and development by agile methods (daily scrums, user stories, sprints, etc.)

End-to-End Development of Reporting Solutions, KPMG IT Services, Berlin, Germany (October 2016 – September 2017)

* Proof of concept of a data presentation application (similar to SAP Digital Boardroom) using SAP Design Studio 1.6
* Prototyping and evaluation of self-service BI tools (Tableau vs. Lumira) focusing on SAP connection, fluent data integration and visualization features
* End-to-end-development of reports for Quality Risk Management:
  + Design BEx Queries and implementing these in SAP BO Analysis for Office (AfO)
  + “Mixed Scenario” backend modeling in SAP HANA Native (SPS 11/12) and SAP BW on HANA (7.4 / 7.5)
* Development Lead in implementing HR Dashboard:
  + Conceptualization and feature requirements analysis with Business
  + Implementing dashboard SAP Design Studio 1.6 incl. query design
* Implementing KPI-Tiles in company-specific portal solution based on SAPUI5 & ABAP

Global Business Transformation Project regarding data quality – financial planning dashboard, Bombardier Transportation GmbH, Berlin, Germany (May 2016 – September 2016)

* Development of an executive KPI dashboard with financial planning capabilities using SAP Design Studio 1.6
* Integration of VisualBI Extensions (VBX Utilities)
* Integration of a commentary solution in the dashboard (FIVE1 CS5) for SAP Design Studio
* Communication to backend team and support in SAP BW development tasks (SAP BW-IP)

Conception und development of new Liquidity Planning Model, Zalando, Berlin, Germany (August 2015 – April 2016)

* Development of a dashboard in Liquidity Planning with SAP Design Studio 1.5/1.6 incl. Query Design
* Developing a planning logic in SAP HANA Native using Stored Procedure and SQL Script as well as data modeling in SAP BW on HANA (Mixed Scenario)
* Creating SAP BO Analysis Workbooks for data analysis

**Implementation of a Hedge-Accounting-Tool, Sparkasse Cologne-Bonn, Cologne, Germany (September 2014 – June 2015)**

* Technical concept of a hedge-accounting tool in order to implement a new hedging strategy
* Developing of a hedge-accounting tool using MS Access, VBA and SQL