Dr Johann Kemmer

ABAP Technical Lead and AI-Assisted Application Development · SAP Product Development and Architecture

Best-Run Business Consult UG (haftungsbeschränkt)

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PROFILE

Physicist (Dr. rer. nat.) with 30 years of SAP experience: 25 years in SAP development – most recently as Chief Development Expert – and since 2021 as freelance developer and consultant. Combines deep SAP product and data-model knowledge in logistics, procurement and finance integration with technical architecture and hands-on engineering (ABAP, RAP, CDS, OData, IDoc).

Leadership: Project lead and execution driver for major SAP technology initiatives with high Board attention; regular technical and integration status reporting to senior management; cross-area coordination, test and issue steering, decision preparation and escalation.

Migration: Most recently ECC → S/4HANA migration QA and Custom Code Migration; earlier R/3 → Business ByDesign migration pilot, R/2 → R/3 customer migration and HANA adoption incl. system migration.

Hands-on experience in requirements-guided, AI-assisted application development: providing product and domain context, defining functional requirements, directing AI-supported implementation and testing the resulting application.

AI-ASSISTED DEVELOPMENT FROM PRODUCT REQUIREMENTS

Developed multiple applications with AI assistance, using product descriptions and domain-specific documentation as the foundation for implementation. Defined functional requirements, supplied the business context and directed the AI through iterative development. Responsible for UI design and functional testing of the resulting applications.

- Example: excise tax management application prototype with S/4HANA integration, an MCP server, an n8n workflow and Git-based version control. Combined SAP domain expertise with AI-assisted implementation across application, integration and workflow components.

AI tools: ChatGPT Plus and Claude Pro. Technologies and tools: Node.js, HTML, JSON, Docker Desktop, PowerShell and Ubuntu.

CORE SKILLS

SAP Applications	S/4HANA (on-premise & Cloud), ECC / R/3 – MM (Procurement, Inventory Management), SD (Sales, Pricing, Returns), ATP, Source Determination / PPDS, MM/FI integration, Business Partner, Master Data, RE-FX (integration)
Development	ABAP / ABAP OO, RAP, CDS Views, OData Services, IDocs, BAPIs, Enhancements & Add-Ons, hands-on root-cause analysis
Migration	ECC → S/4HANA, Custom Code Migration, migration readiness & QA, data/object dependencies, reconciliation & consistency, testing & cutover readiness
Architecture	Integration & Extensibility, Identity & Access Management, HANA adoption, SAP Cloud Platform / BTP
Leadership	Technical program / workstream lead, cross-area coordination, quality gates & escalation, executive reporting
Support	Troubleshooting and performance analysis in ECC and S/4HANA customer systems

INDUSTRY AND SOLUTION EXPERIENCE

Real Estate	Connecting customer-specific real-estate management functions to SAP RE-FX
Automotive	Master data integration via IDocs, material replacement solution, S/4HANA sales order enhancement
Beverage / Excise Tax	S/4HANA / ECC backend for SAP Excise Tax incl. EMCS
Retail / Fashion	Procurement topics in SAP Apparel & Footwear Solution (AFS)
Professional Services	S/4HANA Cloud processes: procurement, time recording, billing, financials, contingent workforce

CAREER OVERVIEW

since 04/2021	Own company: Best-Run Business Consult UG (haftungsbeschränkt) – contracting entity for all freelance engagements
since 08/2023	Freelancer – SAP development & consulting for medium-size SAP customers
01/2021 – 2025	Freelancer – S/4HANA add-on development for an SAP partner
04/2015 – 12/2020	SAP SE – Chief Development Expert, S/4HANA and Industries
01/2013 – 03/2015	SAP AG – Chief Development Expert, Cloud Products (ByDesign, C4C, FINoD)
07/2005 – 12/2012	SAP AG – Development Architect, Application Platform & Business ByDesign
08/2002 – 06/2005	SAP AG – Development Architect, Supplier Relationship Management (SRM)
11/2000 – 07/2002	SAP Markets – Software Developer, Enterprise Buyer Professional (EBP)
06/1996 – 10/2000	SAP AG – Software Developer, R/3 Materials Management

FREELANCE PROJECTS

Medium-size SAP customers

ABAP Development – Process Simplification — since 09/2025

- ABAP developments to enhance and simplify internal business processes

Quality Assurance – ECC → S/4HANA Migration — 08/2024 – 08/2026

- Quality assurance through review of 40+ top-level designs and technical specifications (all logistics tasks of the migration), test cases for all migration phases and 50+ “recipes” for the Custom Code Migration (CCM)
- Technical and organisational support of the CCM project manager
- Hands-on technical analysis and ABAP-level guidance for the ECC → S/4HANA adaptation

Custom Code Migration – ECC → S/4HANA — 08/2023 – 05/2024

- Adaptation of custom code as part of an ECC → S/4HANA migration

SAP partner – S/4HANA add-ons

Add-On for Material Replacement (Automotive) — 01/2021 – 02/2025

- Responsible for major parts of master data integration via IDocs, incl. a material replacement solution for the automotive industry
- Integration of material replacement into sales order processing as S/4 enhancement; solution support and further development

Connecting Customer-Specific Real-Estate Management Functions to SAP RE-FX

- Supported the integration with SAP: RE-FX entities, object relationships and interfaces, incl. dependencies to Business Partner and Finance

Web Shop Integration into S/4HANA — 01/2021 – 04/2023

- Concept and realisation of an S/4 enhancement integrating an external web shop via OData services

Further S/4HANA Enhancements 05/2023 – 12/2025

- Pricing for the online shop, availability check (ATP), internal stock transfers
- Returns process incl. automatic batch creation and enhanced standard IDoc for communication with the haulage contractor
- Source determination incl. contract split (PPDS)

EXPERIENCE AT SAP

S/4HANA & ECC Backend for SCP Application "Excise Tax" 07/2018 – 12/2020

- Responsible for the backend in S/4HANA (on-premise & Cloud) and ECC: design and implementation of new APIs (OData services on CDS views) and sub-processes such as EMCS
- Coordination of requirements with FIN, SD, Pricing and SCM; consulting of SCP teams on standard interfaces; support of co-innovation customers

SAP Cloud Platform Industry Prototypes 2017 – 03/2018

- Backend implementation (interfaces, add-ons) in S/4HANA on-premise for two SCP industry extensions (procurement of high-value materials, excise duty) and for "Supply Base Optimization" in Discrete Industries (delivered 11/2017)

S/4HANA Cloud – Integration, Extensibility & Go-Live Support 2015 – 2019

- Drove requirements of the S/4HANA Cloud frontrunner / co-innovation customer (extensibility, integration, authorizations, procurement, professional services) – successful go-live in early 2017
- Consulting and roll-out of best practices for integration, extensibility and authorization management to SAP sales consulting and customers
- Integration concepts with Fieldglass, SuccessFactors EC and Ariba; API Hub publishing; integration status reporting incl. integration validation for all industries to senior management

Simplified Identity & Access Management for S/4HANA Cloud 2014 – 2016

- Established the authorization bundling concept; responsible for IAM content development and delivery across application areas and for test concepts

Project Lead HANA Adoption – ByDesign, FINonDemand, C4C 2012 – 2014

- Moved the cloud products to HANA with feature and performance parity to MaxDB/TREX; cross-area coordination incl. HANA and NetWeaver; board-level reporting; successful release to customers
- Workstream lead for TCO reduction: ~30 business objects migrated to single persistency in HANA; architecture concepts such as multi-tenancy

SAP Business ByDesign – Development Architect & Product Owner 2005 – 2012

- Product Owner for the Partner Development Infrastructure (PDI), releases FP2.6–FP3.5: design, planning, testing, quality; on-time backlog delivery; led performance and stability improvement projects; partner workshops in Germany and the US; board demo incl. mobile prototype
- Lead of a two-tier architecture prototype on HANA XS Engine, delivered on time and demoed to the board
- Coordination lead of SRM/SCM assessment days (FP2.0–FP3.5): tester resources, test coordination, hotfix decisions, issue monitoring and management reporting
- R/3 → ByDesign migration pilot: main implementation of procurement business objects (purchase order, supplier invoice), Migration Workbench usability test, management report on effort and feasibility
- Architecture of business processes (third-party direct shipment, inter-company stock transfer); project lead for the new SRM UI; support of customer projects

SAP EBP / SRM – Developer & Development Architect 2000 – 2005

- Software design; responsible for Goods and Service Acknowledgement; development coordination of Supplier Self-Service
- Project lead for cross topics (input/output management, forms, attachments, telephony) across several SRM releases; support of customer ramp-up projects

SAP R/3 Materials Management – Software Developer 1996 – 2000

- Inventory Management (MM-IM): reporting, analysis of Logistics/FI inconsistencies, IM–FI interface, BAPIs, “Reporting to Authorities” (foreign trade)
- Procurement for Apparel & Footwear (AFS), Euro conversion in MM incl. onsite workshop in the US, R/2 → R/3 customer migration

EDUCATION

1991 – 1995	Dr. rer. nat., University of Heidelberg (II. Physiological Institute); scholarship holder of the Studienstiftung des deutschen Volkes (1992 – 1995)
1984 – 1991	Diploma in Physics, University of Heidelberg (intermediate diploma at TH Darmstadt)
1975 – 1984	Heinrich-von-Gagern-Gymnasium, Frankfurt/Main

PATENTS

Co-inventor of software patents granted in the US and Europe (SRM, service-oriented architecture, Business ByDesign), including:

- Automatic Posting of Confirmations and Invoices
- Stochastic Check of Procurement Documents
- Customizable Buttons – Adding Master Data Line Items
- Interfaces Derived from a Business Object Model Shared by Heterogeneous Applications (patent family, 9 US patents)
- Suppliers Code of Business Conduct Defining and Monitoring