General Data

Name:	Helmut Tammen
Year of birth:	1964-04-21
Graduation:	Graduate Mechanical Engineer
	Bremer Ingenieurpreis for the Diploma Thesis. It was chosen out of five universities / colleges and serveral faculties within these institutes SAP Community: Member of the month December 2016
IT Experience:	IT experience on the job since 1990
Nationality:	german
Languages:	german, english
Main Focuses:	**SAPUI5 / OpenUI5, SAP Cloud Consulting (BTP), SAP Cloud Application Programming Model (CAP),** SAP HANA Consulting and Development, SAP Enterprise Portal Consulting and Development, **SAP NWDI / CTS+, SAP Web Dynpro Java Development, SAP Security Consulting, SAP ABAP Development, OO Development and Consulting, JEE Development, Web Development, Web Architecture Consulting, Node.js Development, Groovy / Grails Development**
Branches:	**Services, Utilities, Logistics,** Finance, Automotive, Construction industry
Availability:	12/2023
Prefered Regions:	currently only North Germany (Braunschweig, Hannover, Bremen, Hamburg, Berlin, Kassel)
Certificates:	2016-10-04, Big Data with SAP HANA Vora, 98% 2016-04-08, Software Development on SAP HANA (Delta SPS 11), 100% 2015-07-01, Creating Business Value with User Experience, 100% 2015-05-01, Build Your Own SAP Fiori App in the Cloud, 100% 2015-05-01, SAP Business Suite 4 SAP HANA in a Nutshell, 50% 2014-12-17, Sicherheit im Internet, 83% 2014-11-01, Next Steps in Software Development on SAP HANA, 98% 2014-10-01, Introduction to SAP Fiori UX, 96% 2014-10-01, SAP's UX Strategy in a Nutshell by SamYen, 100% 2014-08-01, An Introduction to SAP HANA by Dr. Vishal Sikka, 87% 2014-08-01, Next Steps in SAP HANA Cloud Platform, 98% 2014-06-01, Sustainability and Business Innovation, 94% 2013-12-01, Introduction to Software Development on SAP HANA, 93%
Trainings:	2020-02-14, UI5Con in Brussels / Belgium, SAP 2019-10-08, SAP TechEd Barcelona, Barcelona, Spain 2019-06-28, UI5Con in St. Leon-Rot / Germany, SAP 2018-10-23, SAP TechEd Barcelona, Barcelona, Spain 2018-06-22, UI5Con in St. Leon-Rot / Germany, SAP 2017-06-30, UI5Con in St. Leon-Rot / Germany, SAP 2016-04-19, SAP CodeJam: SAP HANA XSA, Hannover 2016-03-12, Attendee at sitFRA in Frankfurt / Germany, AOK Systems 2016-03-11, UI5Con in Frankfurt / Germany, AOK Systems

Helmut Tammen
Isoldestrasse 19e
38106 Braunschweig

Email: h.tammen@tammen-it-solutions.de
Tel: +49 170 88 22 491

Consultant Profile

	2016-02-17, SAP CodeJam: IoT on HCP, Hannover
	2015-05-21, SAP CodeJam: SAP Gateway and SAPUI5, Hannover
	2015-05-08, SAP CodeJam: SAP Gateway and SAPUI5, Bielefeld
	2014-06-20, SAP CodeJam: SAPUI5, Bielefeld
	2013-11-01, SAP TechEd Amsterdam, Amsterdam, Netherlands
	2013-01-11, SAP CodeJam: SAP Mobile platform, Bielefeld, Germany
	2008-11-01, SAP TechEd Berlin, Berlin, Germany
	2006-11-01, SAP TechEd Amsterdam, Amsterdam, Netherlands
	2005-11-01, SAP TechEd Vienna, Vienna, Austria
Presentations:	03 / 2016, 1st UIcon ever, Building a Custom Graphic Control using SVG & Usage of node.js OData Server, Frankfurt (AOK Systems)
	06 / 2017, 1st UI5con at SAP, Virtual Tour around a company site with UI5, St. Leon-Rot (SAP)
	06 / 2018, UI5con at SAP, UI5 goes PWA, St. Leon-Rot (SAP)
	02 / 2020, UI5con Belgium, UI5 with Typescript, [object Object]

Helmut Tammen
Isoldestrasse 19e
38106 Braunschweig

Email: h.tammen@tammen-it-solutions.de
Tel: +49 170 88 22 491

www.tammen-it-solutions.de

TAMMEN IT SOLUTIONS
for your business.

IT Skills

OS:	**Windows, Mac OS X, Linux**
Programming:	**Java, JavaScript, Node.js, TypeScript,** Groovy / Grails, **ABAP / 4, ABAP Objects,** Pascal / Delphi, C / C++
Databases:	**SAP HANA (In-Memory),** PostgreSQL, MySQL, MaxDB, Oracle, POET (OO-Database), IBM Cloudant (No-SQL)
DBAbstraction:	**OData, REST, JDBC,** Hibernate (Java), Loopback (Javascript), **SQL**
SAP:	**SAPUI5 / Fiori, SAP BTP, SAP CAP,** SAP HANA, **Web Dynpro Java, SAP NW 6.40 - 7.52, NWDI (DevInf),** CTS+, **NW Portal 5.0 - 7.50, Adobe Document Services (ADS), Security (SAML, OAuth, SSO), R/3,** Sales and Distribution (SD), Materials Management (MM), Plant Maintenance (PM), SAP for Utilities (IS-U)
SCM-Tools:	**Git,** Subversion, **SAP NWDI**
Methods:	UML, Design Pattern, Scrum, **Design Thinking,** ERM

Projects

(only projects of last ~6 years are displayed)

09/22 - today 14 months (part-time)	**Insurance** **Creation of an internet portal for insured members** Creation of an internet portal for insured members of a retirement fund. Members of the insurance organization can complete many processes online via self services, which were handled till now via asynchronous communication. Realization in an on-premise SAP System (SAP NW 7.52). Tasks: technical project management, development of OData servcices in SAP NW ABAP, development of Fiori/SAPUI5 frontend applications, configuration of the system and the apps. A challenge was to fulfill the security requirements required by the customer in respect to onboarding, login and of course regular operation of the portal. SAPUI5, Fiori, Fiori Elements, SAP NW ABAP, OData, eID/eIDAS
01/14 - today long term	**Several** **Development of several SAP HANA / HANA Cloud Platform / Fiori prototypes** Develop some internal prototypes to learn / deepen the use / deployment of SAP HANA / SAP HANA Cloud Platform / Fiori. SAPUI5, Fiori, Fiori Elements, SAP HANA XS, SAP HANA Cloud Platform, SAP HANA Web Tools, SAP Web IDE, SAP Cloud Application Programming model (CAP)
10/14 - today temporary	**Networking** **Active participation in several communities and work groups** Since 10/14 member of SAP internal work groups about UI and cloud. Coworking in several SAP CEIs (Customer Engagement Initiative), e.g. CEI Fiori like Apps on HCP, Annotation Modeler for SAP Web IDE, SAP Fiori Overview Page. Presenter at most of SAP developer conference UI5con in Europe
09/22 - 11/23 14 months (part-time)	**Service** **Development of a no-code tool for SAP BTP** Co-development of a no-code tool for analysing business data in SAP BTP without the need for programming skills. Details: https://help.sap.com/docs/SAP_PROFITABILITY_PERFORMANCE_MANAGEMENT_CLOUD. The application was developed with SAP CAP (node.js). My main task was to check and implement the technical feasibility of special requirements. SAP CAP, node.js, Fiori, Fiori Elements, OData, SAP BTP
03/22 - 05/22 3 months	**Insurance** **Creation of a concept for an internet portal** Creation of a concept for an internet portal. Members of the insurance organization should be able to complete many processes online via self services, which are currently handled via asynchronous communication. A technical concept for the business processes as well as a technical concept for the operation in the cloud (SAP BTP) was created. Workshops, Prototyping, SAP BTP, Fiori
01/22 - 02/22 2 months	**Public Administration** **Calculation of costs for Security services**

	Creation of a program to calculate the costs of security services. Backend implementation with SAP CAP / Node.js. Frontend implementation with SAP Fiori Elements and SAPUI5 freestyle. SAP CAP, Node.js, Fiori Elements, SAPUI5, SAP BTP
04/21 - 09/21 6 months	Maintenance SAPUI5 Development SAPUI5 development in an ambitious project. Development of an own extension framework based on SAPUI5, which supports UI extensions at runtime. Development of SAPUI5 dialogues / applications based on this framework. Development of a Google Maps integration into the SAPUI5 applications Fiori, SAPUI5, Leaflet map library
11/20 - ---- 3 months	Utilities SAPUI5 and Cloud Consulting Consulting on the porting of an SAP Fiori application from an SAP OnPremise backend to the SAP Cloud Platform. The consulting included infrastructure consulting as well as a review of the Fiori application (technology and design). SAP Cloud, SAP CAP, Fiori, Fiori Elements, SAPUI5
09/19 - 03/21 6 months	Finance Generator for SAP CAP applications Creation of a sourcecode generator for SAP CAP applications. This generator creates fully functional SAP CAP applications for a data modell that is designed and maintained in SAP PowerDesigner tool. The applications consist of all application layers: data, service, UI. Besides the sourcecode generator a tool has been developed that extracts all PowerDesigner metatdata via an OCX control. node.js, Typescript, SAP CAP, CDS Views, Fiori Elements, SAPUI5, OCX/ActiveX, SAP HANA XSA
04/18 - ---- 22 months	Public Administration SAPUI5 applications in SAP Enterprise Portal Creation of serveral SAP / SAPUI5 applications inside the SAP Enterprise Poral. Configuration of FLP (Fiori Launchpad) in portal environment. Implementation of backend services in SAP Netweaver Java Stack. Implementation of SAPUI5 applications in frontend. SAPUI5, Javascript, Typescript, SAPUI5 Tooling, Git, SAP Netweaver Java, SAP Enterprise Portal
11/17 - 02/18 2 months	Insurance industry SAPUI5 application for investment approval process Creation of a SAP / SAPUI5 application the allows submission and administration of investment requests in a big german company of the insurance sector. Implementation of the OData Service in SAP R/3 backend. Implementation of SAPUI5 application in frontend. Up- and download of documents. Integration of SAP business workflow.

	SAPUI5, Javascript, Git, SAP R3, SAP Gateway, OData, ABAP
08/17 - 03/18 8 months	Telecommunication SAPUI5 application for administration of lease contracts Implementation of a SAPUI5 application to maintain lease contracts in an international acting telecomunication enterprise. Implementation of the OData services in SAP R/3 Gateway. Implementation of the SAPUI5 frontend application. SAPUI5, Javascript, Git, SAP R3, SAP Gateway, OData, ABAP
03/17 - 07/17 3 months	Retail SAPUI5 application to digitally sign documents Implementation of a SAPUI5 application to digitally sign documents with Adobe Sign. Implementation of the OData services in R/3 Gateway backend. Implementation of the business workflow in SAP R/3 backend. SAPUI5, Javascript, Git, SAP R3, SAP Gateway, OData, ABAP, SAP Business Workflow
02/17 - 06/17 3 months	Steel industry SAPUI5 application for displaying plant overview in 3D-model Implementation of a SAPUI5 application to virtually view and navigate the complete factory site of a big steel producer in a 3D-model. The users can navigate deeper into the production halls and can view those also in a 3D-model. Implementation of the OData services in R/3 Gateway backend. SAPUI5, Javascript, Git, SAP R3, SAP Gateway, OData, ABAP
12/16 - 01/17 2 weeks	Automotive Refactoring of a SAPUI5 application for Fiori Launchpad Refactoring of a SAPUI5 application for Fiori Launchpad. The application has been developed for a with and for a proprietary UI framework based on SAPUI5. Integration of the applications in Fiori Launchpad. SAPUI5, Fiori, Fiori Launchpad, Javascript, Git, SAP R3
12/16 - 01/17 2 weeks	Automotive Refactoring of a SAPUI5 application for Fiori Launchpad Refactoring of a SAPUI5 application for Fiori Launchpad. The application has been developed for a with and for a proprietary UI framework based on SAPUI5. Integration of the applications in Fiori Launchpad. SAPUI5, Fiori, Fiori Launchpad, Javascript, Git, SAP R3
11/16 - 11/16 2 weeks	Automotive PoC for evaluation of Fiori Launchpad Execution of a PoC in a bigger project with the aim to replace a proprietary SAPUI5 frontend framework with Fiori / Fiori Launchpad. Technical execution of the PoC and presentation of the results. Creation of an administrator guide for maintaining Fiori Launchpad. SAPUI5, Fiori, Fiori Launchpad, Javascript, Git, SAP R3
04/15 - 09/16	Automotive

6 months	Development of a SAPUI5 frontend in the area of logistics Konzeptionelle Arbeit zur Entwicklung einer SAPUI5-Anwendung im Logistikbereich / Warehouse-Management. Entwicklung der SAPUI5-Anwendung Einbettung der Anwendung in eigenes vom Kunden entwickeltes UI Framework, das Fiori Launchpad ersetzen sollte. Erstellung eigener SAPUI5-Controls im Rahmen der Anwendungsentwicklung Erstellung einer SVG Grafik zur visuellen Abbildung von Lagerprozessen und Entwicklung von Javascript Modulen zur dynamischen Anpassung der Grafik zur Laufzeit. Technische Beratung zu Git, I18n, Transportmanagement SAPUI5, Javascript, Git, SAP R3
09/16 - 09/16 5 days	Services Development of SAPUI5 application SAP Community Tag List Development of a SAPUI5 application for the SAP Community. This application has been deployed to a SAP Server later on. Received the 'Memeber of the Month' reward for this and other community activities. URL: https://taxobrowser- a04c73542.dispatcher.hana.ondemand.com/index.html SAPUI5 / OpenUI5, JSON, Git, Javascript
06/16 - 06/16 5 days	Services Development of a SAPUI5 application for management of a consultant profile Development of a SAPUI5 application for provisioning and maintenance of this consultant profile on the internet. Beside the SAPUI5 / HTML view of the profile a PDF creation and download was also realized. SAPUI5 / OpenUI5, JSON, Git, Javascript
05/16 - 05/16 5 days	Services Development of a SAPUI5 application for management of business trips Development of a SAPUI5 application for maintencance of business travels by car. The backend was developed with the self developmed node.js OData server and is running in a Cloud Foundry application on IBMs Bluemix Cloud Platform. The frontend ist running on SAPs HANA Cloud Platform. SAPUI5 / OpenUI5, OData, node.js, n-odata-server, Git, Javascript, Cloud Foundry, SAP HCP, IBM Bluemix Platform
03/16 - 03/16 8 days	Services Development of a SAPUI5 application for management of downloads Development of a SAPUI5 application for maintencance and graphical display of download numbers of the node.js OData server npm package. The download numbers can be created and maintained. Additionally they can be displayed in a bar chart. The backend part of the application is running as a Cloud Foundry app on IBM Bluemix Cloud Foundry Platform. SAPUI5 / OpenUI5, OData, node.js, n-odata-server, Git, Javascript, Cloud Foundry, SAP HCP, IBM Bluemix Platform, SVG
02/16 - 03/16 10 days	Services Development of a SAPUI5 application with graphical visualization

	Development of a SAPUI5 application for graphical visualisation of attendees amounts at a conference. This app was developed as a demonstration app for the UI5Con developer conference in Frankfurt / Germany. The backend part of the application is running as a Cloud Foundry app on IBM Bluemix Cloud Foundry Platform as well as during development on a Cloud9 instance (no CF). SAPUI5 / OpenUI5, OData, node.js, n-odata-server, Git, Javascript, SVG, UI5 congrol dev.
10/15 - 04/18 3 months	Technology Development of an OData server for node.js Entwicklung eines OData Servers als Ersatz / Erga nzungzu SAP Gateway fu r spezielle Einsatzzwecke. Die Entwicklung findet auf Basis von node.js und dem von IBM entwickelten MVC Framework Loopback statt. Ziel ist es einen OData Server zu erstellen, der unabha ngigvon einer bestimmten Datenbank Daten persistiert. Es ist ebenfalls mo glichfu rbestehende Datenbanken eine OData-Schnittstelle bereitzustellen. Javascript, Typescript, node.js, Git
04/15 - 09/16 6 months	Automotive Development of a SAPUI5 frontend in the area of logistics Konzeptionelle Arbeit zur Entwicklung einer SAPUI5-Anwendung im Logistikbereich / Warehouse-Management. Entwicklung der SAPUI5-Anwendung Einbettung der Anwendung in eigenes vom Kunden entwickeltes UI Framework, das Fiori Launchpad ersetzen sollte. Erstellung eigener SAPUI5-Controls im Rahmen der Anwendungsentwicklung Erstellung einer SVG Grafik zur visuellen Abbildung von Lagerprozessen und Entwicklung von Javascript Modulen zur dynamischen Anpassung der Grafik zur Laufzeit. Technische Beratung zu Git, I18n, Transportmanagement SAPUI5, Javascript, Git, SAP R3
02/14 - 12/15 3 months	Services Development of a SAPUI5 application for internal administration puposes Erstellung einer bisher nur firmenintern genutzten Anwendung fu rdas Dienstleistungsgewerbe. Ein Angestellter (Studend) wurde in die Erstellung von SAPUI5 Anwendungen eingewiesen und angelernt. Meine Aufgabe bestand in der Planung, Konzeption, Einarbeitung des Mitarbeiters sowie Entwicklung des SAPUI5 Frontends als auch des Grails Backends SAPUI5, Grails, SAP HANA Cloud Platform, SAP Web IDE
11/14 - 12/14 1 month	Utilities Development of a SSO module for SAML / OAuth in context of an API manager Erstellung eines Konzeptes und Entwicklung eines Moduls fu rein Single Sign On (SSO) Szenario mit SAML und oAuth.

	Es wurde ein Modul entwickelt, das es ermo glichtin einer gegebenen Security Infrastruktur ein Single Sign On mit einem SAML 2.0 IdP (Identity Provider) und einem oAuth 2.0 Authority Provider zu realisieren. Ziel war es einen API Manager in die Security Infrastruktur eines Konzerns einzubinden. Java, WSO2 Api Manager, Entrust GetAccess SAML Server
10/11 - 04/14 4 months	Utilities Enhancement of a Web Service appliation Erweiterung einer Web Service Anwendung um neue Funktionalita ten. Erstellung von PDF-Berichten mit dem Adobe Document Service (ADS) und mit JasperReports. Durchfu hrungder Teilprojektleitung. WebService Java, Adobe Document Service (ADS), JaperReport, SAP NW Web AS 7.0, SAP NWDI, GIT
05/13 - 01/14 8 months	Utilities Development of an internet application for sales processes Es wurde eine Internetanwendung entwickelt, die es Großkunden ermo glicht Auftra geu bermehrere Millionen Euro online zu erteilen. Eingebettet ist die Anwendung in ein Extranet Portal und eine Konzern-Security-Infrastruktur. Durchfu hrungallgemeiner Anwendungsarchitekturberatung, sowie UI- und Security-Beratung. Realisierung der Anwendung in einem Team von 8 Entwicklern und einigen Part-Time-Beratern Umsetzung der Security-Implementierung mittels SAML 2.0 Teilweise U bernahmeder Teilprojektleitung Java / J2EE, Spring Security (SAML), Maven
09/10 - 04/13 9 months	Utilities Development of a EEG (German Energy Law) internet application Entwicklung und Pflege einer Anwendung zur Unterstu tzungeines EEG-Prozesses. Entwicklung der Anwendung mit dem Web-Framework Grails und der auf Java basierenden dynamischen Programmiersprache Groovy. Anbindung der Frontend-Anwendung an ein R/3 System mittels WebService-Aufrufe. Erstellung eines PDF-Berichtes mit JasperReport. Durchfu hrungder Projektleitung. Grails / Groovy, JasperReport, Javascript Framework ExtJS, GIT (SCM), Tomcat Application Server
04/11 - 01/13 8 months	Utilities Enhancement of a Web Dynpro Java application Erweiterung einer Web Dynpro Java Anwendung um neue Funktionalita ten. Erweiterung diverser PDF-Berichte mit dem Adobe Document Service (ADS). Internationalisierung der Anwendung fu rz.Zt. fu nfSprachen. Durchfu hrungder Teilprojektleitung. Web Dynpro Java, Adobe Document Service (ADS), SAP NW Web AS 7.0, SAP NWDI
01/13 -	Services

Helmut Tammen
Isoldestrasse 19e
38106 Braunschweig

Email: h.tammen@tammen-it-solutions.de
Tel: +49 170 88 22 491

Consultant Profile

www.tammen-it-solutions.de

TAMMEN IT SOLUTIONS
for your business.

3 months	Development of an internet application for the services sector Entwicklung einer Internetanwendung fu rdas Dienstleistungsgewerbe mit Anforderungen in den Bereichen Usability, Security, Nachhaltigkeit. Web Framework Grails, Javascript Framework AngularJS, Javascript Framework SAPUI5, GIT (SCM)
09/12 - 05/13 1 month	Utilities Technical QA of an internet application Durchfu hrungder technischen Qualita tssicherungin einem Intranetprojekt, das mit der Programmiersprache Java entwickelt wurde. Die Realisierung wurde von einem Dritt-Unternehmen durchgefu hrt.Die Aufgabe bestand in der Sicherstellung der Einhaltung der Qualita tsstandards des Kunden. Konzeptanalyse und -bewertung Sourcecodeanalyse Java / J2EE, Sonar Sourcecodeanalyse
02/13 - 02/13 2 weeks	Utilities Enhancement of a Web Dynpro Java application Erweiterung einer Web-Dynpro Java Anwendung fu rVertriebsprozesse in Energieversorgungsunternehmen. SAP NW Web AS 7.11, SAP NWDI, Web Dynpro Java