**General Information**

Year of birth: 1973 |Nationality: German

**About me**

****During my career I gained profound expertise in web application architecture & development. Being a hands-on personality, I enjoy coding as much as defining the architecture. I ensure quality by applying techniques like design patterns, clean code, code reviews and test automation. I have been mentoring colleagues during my whole career. While doing so, I gained experience in several projects and positions. Please find here a selection of my most recent positions (permanent and freelance). Certainly, I will be happy to send a full record of my working experiences since 1999 upon request.

**Project Experience**

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| Since11/2023 | **Magnolia Specialist** (freelance) | nexumSupport of Apobank’s Magnolia Backend |
| Since10/2023 | **CoreMedia Specialist** (freelance) | Orienteed.com - YNAPSupport of CoreMedia 10 Backend for headless luxury brand websites (like Armani, Ferrari, …) |
| 03/2023 –09/2023 | **Senior Software Developer** (freelance) | Arvato SystemsWebsite Relaunch of PRH – Penguin Random House – based on CoreMedia 11 |
| 07/2022 –02/2023 | **Senior CMS Architect** (freelance) | interactive tools GmbHWebsite Relaunch of www.KTR.com/de – an engine builder enterprise – based on Magnolia DXP |
| 11/2021 –05/2022 | **Senior Solution Architect** (permanent) | Magnolia Int.Driving Customer Demos, Building POCs, implementing modules to connect 3rd Party SystemsMaven | Java | Magnolia DXP | Algolia | Freemarker | CommerceTools |
| 02/2021 –10/2021 | **Lead Developer** (freelance) | Next Ventures -> VF CorporationLaunch of <https://www.vans.ca/en-ca> on CoreMedia Content Cloud (Version 10) Maven | Java | CMCC-S | Headless-Server | Salesforce Commerce Cloud | Caching | Akamai CDN |
| 11/2020 –04/2021  | **Developer** (freelance) | Parimeo -> PAYBACK GmbHMigration of <https://www.payback.de/> to CoreMedia Content Cloud (Version 10)Openshift | Helm | Docker Compose | Maven | Java | Infrastructure as code |
| 08/2020 – 09/2020 | **Developer** (freelance) | KPS -> ArchantGreenfield: <https://www.theneweuropean.co.uk/> on CoreMedia Content Cloud (Version 10)Maven | Java | Freemarker |
| 11/2019 –02/2021  | **Lead Developer** (freelance) | Provocon -> TelekomMigration of <https://open-telekom-cloud.com/> to CoreMedia Content Cloud (Version 10)Gitlab CI/CD | Docker Compose | Maven | Gradle | Java | Infrastructure as code | k8s | helm |
| 10/2019  | **Developer** (freelance) | SinnerSchrader -> TelefonicaHandling menu login state at <https://www.o2online.de/shops/> with <https://www.mosaic9.org/>Go | <https://github.com/zalando/skipper> | git |
| 11/2016 – 07/2019 | **Lead Developer | Module Owner** (freelance until 06/2017, then permanent) | PAYBACK GmbHLMSBO – Business critical configuration backend for the PAYBACK loyalty program* Responsible for the technical architecture of the module, releases and further enhancements
* Introduced git with its pull request workflow for quality assurance and knowledge transfer
* Reduced complexity and speed up of middleware development in moving from SOAP to REST and from Oracle WebLogic to TomEE
* Containerized the application (frontend, backend, DB) with Docker for automated end-to-end-tests (with Protractor) in git-branches on the continuous-integration-server and to lay the foundation for continuous deployment
* Taught clean code principles to team mates in order to get more understandable source-code

Blueberry – The CMS (content management system) running <https://www.payback.de> * Build new customer sign-up for the PAYBACK loyalty card and the accompanied American Express Card <https://www.payback.de/info/american-express/antrag>
* Enabled the PAYBACK-Login to be integrated by 3rd parties as authentication service, which brings the large user base of 30m active card users to partnering portals
* Implemented content targeting based on PAYBACK-specific user attributes (like gender, points balance, …) to improve the user journey on the website
* Continuous application performance monitoring (and tweaking) for early detection of bottlenecks and to ensure platform stability
* Mentored work mates on topics like CoreMedia Studio Development, Personalization, JavaEE, Spring MVC, dependency injection and many others

Docker | OpenShift | Angular 6 | Maven | Java | TypeScript | Less | pug (Jade) | Jersey | Swagger | Spring Framework | Bean Validation | Selenium | git | bitbucket | JMeter | Gatling | SonarQube | ELK-Stack | Oracle WebLogic / 11g | TomEE | CoreMedia 8 | SOAP | REST | JSP | node.js | Jenkins | CI/CD |
|  | 05-07/18 | **Developer** (freelance) | my-conet Assessment centre tool | Security improvements* Setup the team development environment with gitlab
* Implemented audit system for the user login with fraud detection and password policies
* Built in Two-Factor-authentication

PHP | Yii Framework | MySQL | Apache | gitlab | Google Authenticator |
|  | 05-05/17 | **Lead Developer** (freelance) | BBDO – interone On-premise CoreMedia 8 development system provisioning* Requirements analysis
* Configured CoreMedia 8 blueprint workspace and introduced Jenkins (CI) Jobs
* Handover of the new dev system to the team members

CoreMedia 8 Blueprint | Jenkins | Maven | Oracle | Tomcat | Apache |
| 09/2016 – 11/2016 | **Developer** (freelance) | Bertelsmann ArvatoPerformance optimization, User-Like’s-Service, ...* Supported various projects based on CoreMedia 8 Blueprint

CoreMedia 8 Blueprint | Maven | Java | Spring Framework |
| 11/2015 – 07/2016 | **Consultant, Lead Developer** (freelance) | Telefonica/O2Migration of the website blau.de, base.de and o2online.de to semantic markup* Agile coaching of team mates
* Implementation of new website formats
* Improved CoreMedia’s website performance

CoreMedia 7 | Maven | Java | Spring F. | Docker | Crucible | Twitter Bootstrap | Atomic design |
| 04/2014 – 11/2015 | 10/14-09/15 | **Lead Developer** (freelance) | Handelsblatt Media GroupImprovement of the CoreMedia based “Holtzbrinck Content Framework”* Enabled [www.handelsblatt.com](http://www.handelsblatt.com) and [www.wiwo.de](http://www.wiwo.de) for Premium-(Paid)-Content in combination with a single-sign-on solution
* Relaunched [www.handelsblatt.com](http://www.handelsblatt.com) website with new responsive markup

CoreMedia 7 | Maven | Java | Spring Framework |
|  | 04/14-11/15 | **Lead Developer** (freelance) | PAYBACK GmbHMigration of [www.payback.de](http://www.payback.de) to CoreMedia 7* Migration of the CoreMedia V based CAE-Project-Workspace to the new CoreMedia 7 structure and ongoing improvements of the content delivery and editorial platform
* Migration von shopping.payback.de auf CoreMedia 8 BluePrint

CoreMedia 7 | CoreMedia 8 Blueprint | Maven | Java | Spring Framework |
| 12/2013 – 03/2014 | **Content Specialist** (freelance) | Telefonica/O2 Introduction of a new url handling concept and migration to CoreMedia 7 of [www.o2online.de](http://www.o2online.de) * Migration of the CoreMedia V based CAE-Project-Workspace to Version 7
* Development of Content-Migration-„Scripts” to prepare the existing content base for the introduction of the new url concept
* Adaptation of the CAE for the new url-concept as well as performance-testing and optimization (caching) of the solution

CoreMedia 7 | Maven | Java | Spring Framework | JMeter |
| 06/2013 – 12/2013 | **Content & Mobile Specialist** (freelance) | circITImprovement of the CoreMedia based HCF incl. App-Support of ‘Handelsblatt-Live’* Development-support for the Handelsblatt-Live-App Android partner ‘ciclum’
* Added Google Cloud Messaging support to the mobile Push-Notification Server
* Implemented new features for the sites [www.tagesspiegel.de](http://www.tagesspiegel.de), [www.wiwo.de](http://www.wiwo.de) and [www.handelsblatt.com](http://www.handelsblatt.com)

CoreMedia | JavaScript | jQuery | HTML5 | iOS | Android | Hibernate | Maven | Java | Spring Framework | Varnish |
| 04/2013 – 08/2011 | Various freelance positions in web development and helping companies with the CoreMedia System like Telefonica/o2, PAYBACK GmbH, Handelsblatt Media Group, IHK-GFI and PlanetHome AG |
| 03/2011 – 08/1999 | Various permanent positions as coach and mentor, developer and consultant for well-known companies, like ‘Deutsche Börse’, Borland/TogetherSoft, TRANSPOREON, United Internet (GMX, 1&1, web.de) |

**Teaching**

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| 2002 &2006 | **Lecturer** (freelance) | BA StuttgartSoftware Engineering* Creation of course materials
* Mentored tutorials
* Giving lectures

Process Models | RUP | MDA | UML | Simultaneous Roundtrip Engineering | OOA/OOD | Requirements Management | Quality Management | Architectures | Application Server Deployment | Maturity Models |

**Summary**

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| University Degree | “Dipl.-Ing. (FH)” in Automation Engineering (eq. to Master), Reutlingen University. Main focus: Security and Remoting. |
| Key Skills | Agile Project Management (Scrum), Mentoring, Driving Innovations, Full-Stack Software Craftmanship (Clean Code, TDD, Patterns), Software Architecture (Micro­services, SOAP, REST), Content Management & Syndication, Mobile Web and Apps, Continuous Integration / Deployment (CI/CD), Enterprise Application Integration (EAI) |
| Programming Languages | Java, Web (TypeScript, pug, Less, …), Mobile (Objective C, Swift), IoT (Arduino, C), Python, bash |
| Libraries/Frameworks | Spring Boot, Java EE, Hibernate (JPA), Angular.io, ELK Stack, Bootstrap, Jersey (REST), Swagger (API), Gatling (Load Testing), Jasmine, Mockito, Junit, Selenium, Protractor, platform.io |
| Enterprise Server Software | CoreMedia Content Cloud, Oracle WebLogic Server, Gitlab, Bitbucket, Jira, Confluence, SonarQube, Jenkins, Apache httpd, TomEE |
| Preferred Tools | macOS, Linux, IntelliJ IDEA, git, Maven, Docker |
| Industry Sectors | Internet Service Providers, Logistics, Finance, Publishing, Public Services, Retail |
| Certificates | Certified Scrum Master, CoreMedia Certified Administrator / Management / Delivery Developer |
| Languages | German (mother tongue), English (fluent), Swedish (basic), Spanish (basic) |