Curriculum Vitae

Dr.-Ing. Udo P. Nink
Dipl.-Inform.

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Focus

EAM coaching, project / product / system architecture, methods & tools.

Boosting productivity, consistency, and quality in projects using model-driven system documentation (MDSD) / engineering (MBSE) / testing (MBST) and AI-Assisted Modeling.

Expert in MagicDraw, UML / SysML, Alfabet planningIT, LeanIX, EAM / TOGAF, tool integration.

Key Skills

- **Languages**

German	mother tongue
English	very well in speaking and writing, project experience
French	basics

- **Industries**

Automotive	project know-how	Classic IT, engineering, modeling, integration
Financials	project know-how	EAM, tool configuration & integration
Health Care	project know-how	EAM, tool evaluation

- **Methods (project management and development)**

ITPM, META, EESML	expert	development process, automotive
Scrum, FDD	expert	since 2013
RUP, OMT	expert	since 1999, also as tutor
Oracle PjM & CDM	project know-how	1998 - 2002

- **Standards**

focus on	**AVRO, JSON, MBSE, RDF/OWL, REST, SysML, SysML v2, TOGAF, UML, XML, YAML**
others	BPMN, CobiT, HTML, JDBC, JMS, JNDI, JSP, Servlets, LDAP, RM/ODP, SQL, STEP, WPDL, XML DTD, XMLSchema, XPath, XPDL, XSLT

- **Tools (excerpt, with project experience)**

Architecture Management:	**Alfabet planningIT**, **LeanIX**, Visualize IT
Architecture Documentation:	ARIS, BOC Adonis, IBM Rational Rose, Microsoft Visio, **MagicDraw/Cameo**, Sparx Systems Enterprise Architect
Communication Management:	**Microsoft Sharepoint** & Outlook, Lotus Notes, Wiki / **Confluence**

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Development:	**Cursor AI**, Visual Studio Code, PyCharm
Requirement Management:	**HP ALM / JIRA / DOORS** (Tool Integration)
Test Management:	**HP ALM / JIRA & Xray** (Tool Integration)
Bug Tracking:	**HP ALM / JIRA** (Tool Integration)
Configuration Management:	BMC, ServiceNow
Version Management:	ant, Bitbucket, **GitHub**, CVS, Subversion
Project Management:	CoP.Track, Microsoft Project, Oracle Project Workbench

Project Record

01/2026 -	**AI Engineer, Method Engineer & Integrator**, projects: KIMBA (Business Lead AI for MBSE, funded by BMFTR & consortium) BMW (EE, MBSE, ontology, tool dev, TWC, MagicDraw, REST, Cursor AI)
01/2025 - 12/2025	**AI Engineer, EAM Coach, Method Engineer & Integrator**, projects: KIMBA (Business Lead AI for MBSE, funded by BMFTR & consortium) BMW (EE, Engineering Grid, TWC, MagicDraw, REST, Cursor AI) BITMARCK (EAM, method, metamodel, calculations, LeanIX, REST, Aris, BMC) cargarantie (EAM, method, metamodel, LeanIX, Adonis, GitHub)
01/2024 - 12/2024	**EAM Coach, Method Engineer & Integrator**, projects: BMW (EE, MBSE, tool dev, TWC, MagicDraw, Kafka, REST) BMW (BOM, tool dev, TWC, MagicDraw, Kafka, REST, Graph DB) BITMARCK (EAM, method, metamodel, LeanIX, REST, Aris, BMC) MID (Smartfacts, MagicDraw)
01/2023 - 12/2023	**EAM Coach, Method Engineer & Integrator**, projects: BMW (EE, MBSE, tool dev, TWC, MagicDraw, Kafka, REST) BMW (BOM, tool dev, TWC, MagicDraw, Kafka, REST, Graph DB) BITMARCK (EAM, method, metamodel, LeanIX) MID (tool dev, Smartfacts, MagicDraw)
01/2022 - 12/2022	**EAM Coach, Method Engineer & Integrator**, projects: BMW (EE, MBSE, tool dev, TWC, MagicDraw, Kafka, REST) BMW (BOM, Salesforce CRM, TWC, MagicDraw, Kafka, REST) MID (tool dev, Smartfacts, MagicDraw) VRSF (EAM, MaRisk BAIT, method, metamodel, planningIT, REST)
01/2021 - 12/2021	**EAM Coach, Method Engineer & Integrator**, projects: BMW (EE, MBSE, tool dev, TWC, MagicDraw, Kafka, REST) BMW (BOM, Salesforce CRM, TWC, MagicDraw, Kafka, REST) MID (tool dev, Smartfacts, MagicDraw) VRSF (EAM, MaRisk BAIT, method, metamodel, planningIT)
07/2017 - 12/2020	**IT Architect & Method Engineer**, classic IT & EE, BMW
06/2016 - 06/2017	**EAM Coach**, IAV
03/2016 - 12/2016	**EAM Coach**, WMC
01/2017 - 06/2017	**Overall Architect, IT Architect & Method Engineer**, SCOPE
01/2015 - 12/2016	**Overall Architect, IT Architect & Method Engineer**, RSP
05/2013 - 12/2014	**IT Architect**, BMW sales and CRM tools / homologation
05/2012 - 12/2013	**Overall Architect**, BMW i Sales & Marketing
04/2006 - 05/2012	**IT Architect** in large projects, VR Leasing AG
04/2006 - 09/2011	**Enterprise Architect**, VR Leasing AG
08/2009 - 09/2009	**Process Manager**, Organization & processes test environment, Telekom P&I
01/2009 - 06/2009	**Trainer**, trainings, development process P7, Telekom P&I
10/2008 - 12/2008	**Process Manager**, training concept development process P7, Telekom P&I
09/2005 - 03/2006	**IT Architect**, Architecture management, car bank, Braunschweig
11/2004 - 06/2005	**IT Architect**, Strategic system architecture, TÜV Rheinland, Cologne

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More on request.

Practice Record (excerpt)

09/2001 -	**Freelancer**, see projects.
07/2001 - 12/2002	Founder of CronideSoft AG, member of board of directors. Responsible for finance, administration, and project management. Development of the “Internet Operating Platform“ (IOP), a Java-based enterprise framework.
01/2001 - 06/2001	Project manager in product development for building the “Component Framework” with OAR Development AG, Oberursel, Germany.
1998 - 2000	Senior consultant and later principal consultant with Oracle Deutschland GmbH, Advanced Technology Services, Object Technology & Middleware, Frankfurt, Germany. Coach, analyst, and designer in various eBusiness projects - see project record. Latest engagement as team leader application development for building an eLearning platform for Deutsche Telekom AG.
1994 - 1998	Scientific staff member, database group of Prof. Dr. Th. Härder, University of Kaiserslautern, Germany. Research in "Database Application Programming Interfaces". Organisation of semester courses on "Database Schema Design and Database Application Programming", of exercises and exams for semester courses on "Data Structures & Algorithms", and of exams for “Vordiplom” (comparable to bachelor in computer science, pre-graduation). Leader of the projects Viper, STEP-DBS, and VStore.

Training Record (excerpt)

06/2024	MESCONF, Infineon Campus, Neubiberg
05/2023	MBSE CES NAM, Allen, Texas, USA
05/2023	Certified LeanIX Practitioner
01/2021	ITIL Foundation & TOGAF Essentials 2018 Certification
05/2019	MBSE Cyber Experience Symposium, Allen, Texas USA, Client Advisory Board
10/2018	Software QS-Tag, Frankfurt, own speech
05/2017	No Magic World Symposium, Allen, Texas, USA Client Advisory Board
05/2016	No Magic World Symposium, Allen, Texas, USA Client Advisory Board
10/2015	Lean EAM Conference 2015, Munich, Germany
03/2012	TOGAF 9 Level 2 Certification
02/2012	TOGAF 9 Level 1 Certification
11/2011	planningIT eXchange 2011, EAM case studies & workshops, Berlin
05/2011	planningIT eXpand, configuration of EAM Tool & User Group, Berlin

Educational Record (excerpt)

Mar 1999	Dissertation in the field of database information systems in the group of Prof. Dr. Th. Härder (comparable to Ph. D. in computer science).
Aug 1992	Graduation as Dipl.-Inform. (comparable to M. Sc. in computer science).
1986-1992	Studies in computer science and mathematics, specialization in database information systems at University of Kaiserslautern, Germany.
1978-1985	St. Willibrord Gymnasium (secondary school, “Abitur”) in Bitburg, Germany.

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