

Lukas Dabkowski

Staff Consulting Architect

Cloud Architecture · Artificial Intelligence · Security · Enterprise Transformation

Bonn, Germany

lukas.dabkowski@zoho.com [LinkedIn](#) [Xing](#) [Credly](#)

Professional Profile

Staff Consulting Architect with experience across AWS-led cloud transformation, enterprise AI and agentic systems, security and compliance, and migration architecture. Combines hands-on implementation of deployed AI modernization and policy-as-code with assessment and target-architecture work for platforms, applications, and databases. Delivers HLD/LLD, technical evidence, workshops, and enablement for stakeholders, architects, developers, and DBAs, including regulated life-sciences environments. Software-engineering depth supports pragmatic decisions across resilience, integration, operations, and delivery, with AWS as the primary certified platform and project experience spanning Azure and Google Cloud.

Core Capabilities

AI & Agentic	Enterprise AI modernization, human-gated agents, multi-agent architecture and write safety.
Cloud & Platform	AWS architecture; Azure and Google Cloud assessment; Kubernetes, identity, networking and governance.
Security & Compliance	Policy-as-code, GxP-sensitive controls, CSPM, least privilege, exceptions and qualification evidence.
Migration & Modernization	Assessment, target architecture, dependencies, migration strategies and waves, transition and rollback.
Resilience, Data & Enterprise Integration	Multi-region recovery, managed data, messaging, failure handling, integration and verification.
Architecture Delivery & Evidence	HLD/LLD, decisions, code, tests, runbooks, workshops, audit evidence and enablement.

Selected technologies — AWS · Amazon Bedrock / Nova Pro · Python · TypeScript · AWS CDK · Terraform · Kubernetes · Azure / Google Cloud assessment · Playwright · Salesforce / Certinia · PostgreSQL / Oracle

Selected Architecture Engagements

- Enterprise AI Catalog Modernization**
Modernized the AI layer of a deployed internal AWS catalog by moving model use to Amazon Nova Pro, strengthening guardrails and security controls, preserving enterprise access, and managing infrastructure with Terraform.
- Agentic AI Time Tracking Assistant**
Designed and implemented a local-first agentic assistant that drafts professional-services time entries from authenticated Outlook and Salesforce / Certinia context, with human confirmation, draft-only writes, and post-write verification.
- Policy-as-Code for Regulated AWS Workloads**
Designed and implemented policy-as-code and cloud-security controls for regulated AWS workloads, including GxP-sensitive profiles, evidence, exceptions, CI/CD validation, qualification material, remediation guidance, and developer enablement.
- Enterprise SaaS Azure-to-AWS Assessment**
Led assessment and conceptual target-architecture work for a mature multi-tenant SaaS platform moving from Azure toward AWS, covering readiness, dependencies, identity, connectivity, migration strategies and waves, TCO inputs, and risks.
- Oracle-to-Managed-PostgreSQL Architecture**
Designed the migration approach for enterprise Oracle workloads to Amazon RDS for PostgreSQL across compatibility, secure access, resilience, operations, performance, ownership, and DBA enablement; facilitated a workshop to align database leadership.

Professional Experience

Rackspace Technology

Bonn, Germany

Staff Consulting Architect

Mar 2024–Present

Consulting Cloud Architect

May 2022–Mar 2024

- Lead cloud and security architecture for regulated AWS environments, translating GxP-sensitive governance and ISO 27001, CIS and HIPAA considerations into policy-as-code, evidence, exception handling and developer guidance.
- Shape cloud-readiness, target-architecture and modernization decisions across AWS-focused engagements and Azure or Google Cloud source environments; produce HLD/LLD, migration strategies, risk views and operating responsibilities.
- Design enterprise AI and human-gated agentic architectures spanning deployed model modernization and local-first workflow automation.
- Facilitate technical workshops and align architecture with engineering, security, operations and leadership stakeholders.

VNR Verlag für die Deutsche Wirtschaft AG

Bonn, Germany

Software Architect

Aug 2019–May 2022

- Designed secure, scalable AWS microservice architectures using Docker, EKS, RDS and API Gateway.
- Advanced cloud adoption and DevSecOps through code, security and infrastructure reviews.

Ogulo

Cologne area, Germany

Software Architect

Apr 2017–Aug 2019

- Designed AWS backend architecture for 360-degree panorama delivery using S3, ElastiCache, SQS, MariaDB and REST services built with Lumen.
- Established RBAC, CI/CD, testing and release-management practices.

Architecture & Engineering History

Architecture leadership and hands-on delivery across AWS application platforms, enterprise data and integration, CI, web services, testing, documentation, mentoring, and cross-team delivery.

Speakster GmbH	Software Architect · Cologne area, Germany	May 2016–Mar 2017
artegic AG	Lead Developer / Architect · Bonn, Germany	May 2014–Mar 2016
BINSERV GmbH	Senior Software Developer (Back-end) · Bonn, Germany	Jul 2012–Apr 2014
KIT digital AG	Senior Software Developer · Cologne, Germany	Dec 2010–Jun 2012
Microsoft	Software Development Engineer	Jul 2009–Nov 2010
Ciao Shopping Guide GmbH	Software Development Engineer	Dec 2006–Jun 2009

Earlier Experience

Inet design.pl	IT Manager	Jul 2006–Sep 2006
WebStyle Systems Sp. z o.o.	PHP Developer	Jan 2005–Feb 2006
VAD Video-Audio-Design GmbH	PHP / MySQL / MSDE Developer	May 2004–Aug 2004
Webgestaltung Görlitz GmbH	WWW Translator	Jul 2001–Jul 2004
Advanced Mask Technology Center	Work Student	Aug 2003–Mar 2004
VAD Video-Audio-Design GmbH	Work Student	Mar 2003–Jul 2003
Poleninvest.de	Webmaster	May 2000–Aug 2000

Selected Certifications & Credentials

AWS Certified Solutions Architect – Professional	Expires Feb 28, 2028
AWS Certified Security – Specialty	Expires Jun 27, 2028
AWS Certified Machine Learning – Specialty	Expires Mar 20, 2029
AWS Certified Machine Learning Engineer – Associate	Expires Apr 10, 2029
AWS Agentic AI Demonstrated	Expires Jul 13, 2027

Full credential profile: [Credly](#)

Education

Hochschule Zittau/Görlitz (FH)
IT / Nachrichtentechnik · 1998–2005

Languages

German — C1 / UNICert III · English · Polish — native