

Thomas Kunz

Senior Delivery Consultant | Cloud & Solution Architect | AWS · Multi-Cloud · Enterprise Data Platforms

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PROFESSIONAL SUMMARY

Cloud Architect at AWS Professional Services specializing in large-scale migrations and cloud-native data platforms for Fortune 500 and FTSE 100 enterprises across telecommunications, automotive, financial services, healthcare, and life sciences. Expert in designing resilient, serverless, and event-driven architectures as well as container-based applications.

- **GenAI-Accelerated Innovation:** Leads cutting-edge AI enablement programs utilizing AWS Frontier Agents (AWS Kiro), achieving a 70–80% reduction in application-assessment times on major modernization initiatives.
- **Enterprise Modernization & Data Platforms:** Drives large-scale legacy-to-cloud transformations, highlighted by delivering an 8-week national clinical-data pilot covering millions of patients to enable near-real-time processing.
- **Cloud, Data & Security Governance:** Deep domain expertise spanning secure cloud infrastructure, enterprise data engineering, risk management, and multi-account observability.

This cloud specialization is backed by an extensive enterprise IT foundation in information security consulting, enterprise networking, data center engineering, data warehouse integrations, and complex solution operations.

CORE SKILLS

Cloud Architecture & Large-Scale Migration · DevOps & Platform Engineering · Observability & Enterprise Governance · AI-Powered Technical Delivery & Modernization · Executive Stakeholder Management & Workshop Facilitation · Cross-Functional & Partner-Led Delivery · Mentoring & Technical Knowledge-Sharing · Risk Management & Escalation Leadership

KEY ACHIEVEMENTS & PROJECTS

Pharma Manufacturing (UK) — Connected Labs Data Platform

Reduced experiment-to-insight timelines from multiple days to under 1 day, by designing a serverless lab-instrument data ingestion architecture (AWS Step Functions, Amazon Neptune) that integrated instrument data into a knowledge graph.

Manufacturing / IoT (US) — Platform Migration (Discovery & Design)

Led an 8-week discovery and design engagement for a 100,000+ asset IoT fleet-telematics platform migration from Azure to AWS, defining the UDP-based telemetry ingestion architecture (AWS IoT Core, Amazon Kinesis, Amazon ECS Fargate) and technical roadmap ahead of the build phase.

Healthcare (UK) — Data Platform Development

Delivered an end-to-end clinical-events pilot covering millions of patients within 8 weeks, replacing manual batch uploads with near-real-time processing, by architecting a serverless, event-driven data platform (Amazon EventBridge, AWS HealthLake/FHIR, AWS Lambda).

Telecommunications (UK) — Application Modernization

Reduced application-assessment time 70–80% and lifted developer productivity 30–40% on a 72-application legacy-to-cloud modernization program, by defining the technical assessment methodology and integrating GenAI tooling (Amazon Q Developer, Amazon Bedrock) into the delivery factory.

PROFESSIONAL EXPERIENCE

Amazon Web Services (AWS)

Dec 2018 – Present

Senior Consultant, Cloud Infrastructure Architecture

- Leads strategic cloud transformation and modernization programs for Fortune 500 enterprises across automotive, manufacturing, healthcare, telecommunications, energy, media, and financial sectors in Europe and the UK — spanning industrial cloud architecture, application modernization, and large-scale migrations.
- Drives enterprise-scale platform consolidation — leading discovery, execution strategy, and partner-led delivery, and adopting AI-powered agentic tooling to accelerate timelines and improve delivery quality at scale.
- Directs cross-functional and partner delivery teams, defines governance frameworks and architectural guardrails, and mentors teams in cloud-native and AI-powered delivery practices.

Teradata

Jul 2017 – Nov 2018

Cloud Architect

- Supported global accounts in Germany with the integration of modern Data Warehouse, Data Lake, and Big Data Analytics platforms, focusing on public cloud and hybrid architecture as Domain Architect for Cloud and IT Security.
- Designed cloud deployments for Teradata Database, Teradata Aster, and Hadoop across private, public, and hybrid environments, partnering with clients on cloud strategy and supporting pre-sales through technical presentations.

Verizon Enterprise Solutions

Jun 2012 – Jun 2017

Senior Sales Solution Engineer

- Technical advisor in pre-sales and post-sales, helping enterprise B2B customers adopt Data Center Colocation, Managed Hosting, Cloud Computing, and Information Security solutions; recognized as a European-level Subject Matter Expert for Content Delivery Network (CDN) services.
- Directed sales support for enterprise clients, engineering customized technical solutions and leading major projects including a cloud-based Website-Lifecycle-Management solution, while advising on emerging technologies and delivering technical training to internal sales teams.

T-Systems International

Jun 2005 – Jun 2012

Security Consultant | Jun 2010 – Jun 2012

- Supported enterprise customers in adopting IT security capabilities and compliance, conducting penetration testing, and leading technical customer workshops and compliance-gap analysis.
- Designed and implemented a Security Information and Event Management (SIEM) system while managing external service providers, and supported sales activities through technical scoping and proposal creation.

System Manager | Jun 2005 – Jun 2010

- Held operational and service responsibility for managed security services (firewall, client/site encryption) on a multi-tenant platform, providing technical consulting for 100+ enterprise clients.
- Managed ITIL processes and multi-vendor network/security infrastructure (Check Point, Cisco, BlueCoat, F5 Networks, IronPort, InfoBlox) securing national and international MPLS networks.

TECHNICAL SKILLS

Multi-Cloud & Hybrid Architecture: AWS Landing Zone, AWS Organizations, AWS Control Tower, Windows Server & Active Directory, VMware, Cross-Cloud Migration

Compute, Containers & Serverless: Amazon Elastic Kubernetes Service (EKS), AWS Fargate, AWS Lambda, AWS Step Functions, Amazon API Gateway, Amazon Simple Queue Service (SQS), Microservices & Containers

Data, Analytics & AI/ML: Data Lakehouse Architecture, Vector/Graph Databases, Amazon Relational Database Service (RDS), Amazon Neptune, Amazon Redshift, Amazon Kinesis, Amazon SageMaker, Amazon Rekognition & Amazon Textract

Security, Identity & Compliance: AWS Identity and Access Management (IAM), AWS Key Management Service (KMS), AWS Secrets Manager, AWS Security Hub, AWS IAM Identity Center (Single Sign-On), GDPR, PCI-DSS, ISO 27001

Migration, DevOps & Infrastructure as Code: Terraform, AWS CDK, AWS CodePipeline, AWS CodeCommit, AWS CodeBuild, AWS CodeDeploy, AWS Migration Hub, Python, SQL, Cloud Adoption Framework, Agentic AI & Model Context Protocol (MCP), AWS Frontier Agents, AWS Kiro

Networking, Edge & IoT: AWS PrivateLink, AWS Direct Connect Gateway, Amazon CloudFront, AWS Shield, AWS Transit Gateway, Amazon Elastic Container Service (ECS), AWS IoT Core, AWS IoT SiteWise

Collaboration, Delivery & Agile Practice: Jira, Confluence, Miro, Scrum, Kanban

ACTIVE CERTIFICATIONS

- AWS Certified Solutions Architect – Professional (SAP-C02)
- AWS Certified Data Engineer – Associate (DEA-C01)
- AWS Certified AI Practitioner (AIF-C01)
- (ISC)² CISSP – Certified Information Systems Security Professional
- (ISC)² CCSP – Certified Cloud Security Professional

EDUCATION & LANGUAGES

Education: Fachhochschulreife (University of Applied Sciences Entrance Qualification), Fachoberschule München

Languages: German (Native / Bilingual), English (Professional Working Proficiency)