

HARDIK MEHTA

Technology Leader · GenAI & Cloud Platforms · Former CTO and Co-Founder

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PROFILE

Technology leader with more than 20 years in software, from hands-on engineering to owning platform architecture end to end. At Hilti I held architectural ownership of an industrial IoT platform serving over a million connected devices, from device to cloud service, with a three to five year roadmap and roughly 750k EUR of vendor budget. As co-founder and CTO of CINE.BOX I hired the team and shipped the streaming platform for the Max Ophüls Preis film festival in three months, at six percent of the festival budget. I am at home where AI, cloud and EU data protection meet, and I work equally in German and English.

LEADERSHIP AT A GLANCE

Largest team led: 15

Engineers hired and screened: 20+

Vendor budget owned: approx. 750k EUR (Hilti)

Company built: CTO and Co-Founder, CINE.BOX GmbH

Reporting audience: C-level

Domains: Construction tech and industrial IoT, payments and credit, media and streaming

SELECTED ACHIEVEMENTS

- Owned the architecture and the three to five year roadmap for an IoT platform running more than one million connected devices, covering the full chain from device through gateway to cloud service. (Hilti)
- Delivered a complete festival streaming platform against a fixed date in roughly three months, at six percent of the total festival budget. 39,054 film views, 12,795 registered users, 11,034 tickets sold. Named a blockchain lighthouse project (Leuchtturmprojekt) in independent research commissioned by the Saarland Ministry of Economic Affairs. (CINE.BOX)
- Built a GenAI support agent that connects to a live industrial device over WebSocket, runs diagnostics, and summarises its error logs for support staff using RAG over the product documentation. (Hilti)
- Cut CloudWatch and Lambda spend by more than 20 percent by archiving cold logs to S3 and reworking Lambda memory profiles and code paths. (Hilti)
- Contained a cross-tenant data exposure across a fleet of more than a million devices by cutting data visibility platform-wide until the defect was closed, choosing confidentiality over availability. (Hilti)

EXPERIENCE

Thinkproject Holding GmbH GenAI Solution Architect

Mar 2026 – present

Establishing the GenAI function at a European construction and AEC software company. First appointment to this role. Member of the AI Decision Board. Approx. 7 engineers on the agentic AI team downstream of the use cases I define. Serving VDC, CDE and Contracts.

- Shipped AI-driven contract variation analysis, the company's first production agentic AI capability.
- Work directly with customers to surface pain points and translate them into agentic AI use cases and technical specifications.

Technologies: Google ADK, LangChain, LangGraph, Vertex AI, GCP, Azure

Hilti Entwicklungsgesellschaft mbH Senior Solution Architect

Aug 2022 – Feb 2026

End-to-end architectural ownership of Hilti's IoT platform, device to service: IoT, data analytics, cloud services and applications. 10 to 15 engineers downstream. Two external delivery partners, approx. 750k EUR, including vendor selection and payment approval.

- Defined and maintained the three to five year technical roadmap for a platform running more than one million connected devices.
- Built a GenAI customer support agent: live device diagnostics over WebSocket, error log summarisation via RAG over the product documentation.
- Cut CloudWatch and Lambda spend by more than 20 percent through S3 log archival and Lambda memory and code optimisation.
- Replaced a VM-based HSM with AWS KMS and introduced end-to-end traceability for IoT messages across the full chain.
- Contained a cross-tenant data exposure caused by an unmodelled device re-rental flow, cutting data visibility until the defect was closed.
- Resolved a customer's API overuse, visible in our cloud spend, by redesigning their integration pattern and introducing per-user rate limiting.

Technologies: AWS, Kafka, Spring Boot, Python, RAG, Agentic AI, Edge AI, iPaaS, GDPR

CINE.BOX GmbH CTO and Co-Founder

Feb 2020 – Dec 2021

Co-founded with two partners. Owned engineering, infrastructure and security outright. Led six engineers and hired the backend and frontend teams. Held alongside a full-time consulting lead role.

- Delivered the streaming platform for the Max Ophüls Preis film festival against a fixed date in roughly three months: live streaming, ticketing and film passes, role-based permissions, audience voting, geoblocking and copy protection.
- Ran at real scale: approx. 61,000 platform accesses, 39,054 film views, 12,795 registered users, 11,034 single tickets and 590 festival passes sold.
- Chose a closed Ethereum chain issuing one ERC-721 token per viewer so that a rights holder could trace a leaked copy back to a specific purchase without having to trust CINE.BOX's own records. The same token provided tamper-proof identity for one-person-one-vote audience voting. Designed and built the NFT-based per-viewer watermarking scheme it relied on.
- DSGVO-compliant by design and geoblocked to Germany to protect distribution rights.
- Delivered the entire platform at approximately six percent of the total festival budget.
- Named a blockchain Leuchtturmprojekt in independent research commissioned by the Saarland Ministry of Economic Affairs. 69 percent of more than 1,300 surveyed attendees rated the digital festival good or very good.

Technologies: AWS, Ethereum smart contracts, ERC-721, Java EE, Spring Boot

ALTEN GmbH / OSB AG Lead Principal Specialist

Oct 2019 – Jul 2022

Led teams of five to six consultants. Technical interviewing and candidate screening.

- MediaMarktSaturn (MMS E-Commerce): search architecture on Google Kubernetes Engine with Solr. Microservice design and integration with data science components.
- PAYBACK: microservice architecture for integrating external partner shops and processing loyalty points.

Technologies: GKE, Spring Boot, Solr, Docker, Spring Batch

msg systems ag Lead Architect / IT Consultant

Aug 2018 – Sep 2019

Led an international team. Owned proposals and presented at Head of Department level to BMW and Daimler.

EARLIER CAREER

OSB AG, Principal Specialist and Senior Java Consultant (2014 – 2018). Led consultant teams of five to six and selected the team for the search programme. Built a multichannel payment integration platform for MasterPayment covering card, direct debit and PayPal, and a consumer portal with a custom ERP for Zeppelin Baumaschinen.

maxdome GmbH & Co. KG, Backend Software Engineer (2012 – 2014). Backend engineering on one of Germany's largest video-on-demand platforms: REST APIs for customer support, external service integration, build and deployment automation, performance testing and tuning.

Dresdner-Cetelem Kreditbank / Commerz Finanz GmbH, Software Engineer (2005 – 2011). Credit application and contract platform (Rata@net) in a team of 20, plus the C++/CORBA Card Authorisation Server processing card transactions and clearing. WebLogic automation via WLST, performance tuning, core and thread dump analysis.

TECHNOLOGY

Cloud and platform: AWS, GCP, Azure, Kubernetes, OpenShift, Kafka, Docker

AI: Agentic AI, RAG, MLOps, LangChain, LangGraph, Vertex AI, Google ADK, MCP

Engineering: Java, Kotlin, Python, Spring Boot, Solr, PostgreSQL, Oracle

Security and compliance: GDPR / DSGVO, GRC, guided risk assessment, AWS KMS, encryption

EDUCATION

M.Sc., European Master in Nuclear Applications — Fachhochschule Aachen, Campus Jülich (2003 – 2005)

B.E., Electrical Engineering — L.D. College of Engineering, Gujarat University (1996 – 2000)

LANGUAGES

German and English (full professional) · Hindi and Gujarati (native)