MILIND KARANDE

Cloud & Cybersecurity Architect (AWS | Microsoft Azure) • Enterprise Architect • Senior Program Manager

milindkarande@gmail.com • +91 99206 36908

PROFESSIONAL SUMMARY

Cloud and cybersecurity architect with **26+ years** of experience designing, securing and migrating enterprise platforms for global banking, insurance and credit-bureau clients. Led **AWS and Microsoft Azure** migration programmes across 10 Asia-Pacific markets, built landing zones and reference architectures, and delivered **Zero Trust security** on the Microsoft security stack (Entra ID, Defender for Cloud, Sentinel, Purview). Combines TOGAF enterprise architecture with onsite/offshore programme leadership. Holds **36 certifications** including AWS Solutions Architect – Professional, AWS Security – Specialty, Microsoft SC-100, AZ-500 and AZ-305. Pursuing a Ph.D. in Cybersecurity Architecture (Zero Trust).

CORE COMPETENCIES

Amazon Web Services	Landing Zones, multi-account governance, large-scale migration, microservices modernisation, reference architectures, security models
Microsoft Azure	Azure Landing Zones, hybrid cloud, IaaS/PaaS/SaaS, AKS, Azure Policy, DR & backup, Key Vault, Firewall, WAF, Private Endpoints
Cybersecurity	Zero Trust, MCRA, Defender for Cloud / Servers / Containers / Endpoint, Microsoft Sentinel (SIEM/SOAR), Purview DLP, threat modelling
Identity & access	Microsoft Entra ID, Conditional Access, MFA, PIM, RBAC, SAML, OAuth, Okta federation & SSO
Other cloud & data	GCP, Oracle Cloud, Alibaba Cloud, Cloudera Data Platform; Oracle, SQL Server, PostgreSQL, MySQL, DB2, MongoDB, Cassandra
Architecture & delivery	TOGAF 9, ArchiMate, COBIT 5, ITIL, AgilePM, CI/CD, Docker, Dynamics 365, Power Platform, Power BI, Jira

PROFESSIONAL EXPERIENCE

Cloudera — Aug 2026 – Oct 2026

Senior Technical Project Manager

- Architected and delivered Cloudera Data Platform (CDP) solutions on private cloud and public cloud (AWS, Azure, GCP), including hybrid lakehouse designs and migrations from legacy on-premises data platforms.
- Defined platform security and governance – authentication, authorisation, encryption, audit and lineage (Apache Ranger, Atlas, Knox) – and led sizing and architecture reviews with customers.

Web Synergies Pvt Ltd — Jan 2024 – Jun 2025

Sr. Program Manager | Sr. Azure Architect | Microsoft Security Architect | *For Infosys – Client: CIMB Bank Berhad, Malaysia*

Azure cloud architecture

- Planned, architected and managed hybrid Azure services connecting on-premises data centres with Dynamics 365 and Power BI for a bank with 100+ branches across South-East Asia.
- Built banking applications and databases on Azure IaaS, PaaS and SaaS; authored the bank's Azure reference architecture and best-practice standards.
- Designed scenario-based disaster recovery, backup and snapshot solutions matched to each application's recovery objectives; led requirements gathering and solution design across product lines.

Cybersecurity

- Designed Zero Trust security architecture across identity, network, data and workloads aligned to Microsoft Cybersecurity Reference Architectures (MCRA); presented and won approval for SAR decks as security lead.
- Governed privileged and user access on Microsoft Entra ID with Conditional Access, MFA, Privileged Identity Management and RBAC for Dynamics 365 and Power BI.
- Architected threat detection and response on Microsoft Sentinel – log onboarding, analytics rules and automated SOAR playbooks – and tracked secure-score remediation in Defender for Cloud.
- Hardened the network perimeter with Azure Firewall, NSGs, Private Endpoints, WAF and DDoS Protection; applied Microsoft Purview classification and DLP to banking data.

KGISL Information Systems Pvt Ltd — Jan 2022 – Dec 2023

Sr. Program Manager | Sr. Cloud Architect | Migration Lead | Microsoft Security Architect | *Client: FWD Insurance, Malaysia (Onsite)*

Cloud architecture, migration & modernisation (AWS & Azure)

- Chief Cloud Architect for the migration of on-premises applications, databases and data centres to AWS and Azure across 10 markets (Hong Kong, Malaysia, Philippines, Vietnam, Indonesia, Macau, Singapore, Bermuda, Taiwan, Cambodia).
- Ran application portfolio discovery and cloud-readiness assessments, and assigned a migration strategy (rehost, replatform, refactor, retire) to each workload per business unit.
- Set up AWS Landing Zone and DCP environments and Azure Landing Zones (GLZ), including account/subscription structure, hub-and-spoke networking and hybrid connectivity to on-premises data centres.

- Planned migration waves, cutover runbooks and rollback plans to move production workloads with minimal business disruption across markets.
- Modernised monolithic insurance applications into scale-out microservices on containers (AKS) and managed cloud services.
- As Enterprise Architect, authored AWS reference architectures and governance policies, and defined the technology roadmap, design patterns and enabler epics adopted as standard portfolio solutions.

Cybersecurity

- Defined the Azure Landing Zone security baseline with management groups, Azure Policy and Defender for Cloud regulatory compliance, and extended Defender for Cloud to AWS accounts for one multi-cloud posture view.
- Protected migrated VM and AKS workloads with Defender for Servers and Defender for Containers; secured migrated databases with Key Vault-managed keys and private connectivity.

Equifax Credit Information Services Pvt Ltd — Jul 2019 – Jan 2022

Sr. Technical / Cloud Architect | Sr. Solution Architect | Microsoft Security Architect

Cloud architecture, migration & modernisation (AWS & GCP)

- Chief Cloud Architect migrating legacy and non-legacy applications and databases to AWS and GCP for Luminate Fraud, KFE, Ignite and Data Fabric; led the technology and development team at the Mumbai office.
- Assessed credit-bureau applications for cloud readiness and defined target-state architectures and migration roadmaps for each product line.
- Re-architected monolithic bureau applications into cloud-native microservices and created repeatable architecture patterns for the dominant services and technology stacks.
- Designed high availability, auto-scaling and resilience for cloud-native services handling core bureau products, risk scores and Search Match identity matching.
- Defined the cloud automation strategy – orchestration, CI/CD pipelines, Infrastructure as Code and Docker containers – and enforced architecture standards through design reviews.
- As Enterprise Architect, ran risk analysis, technology trend analysis and vendor selection, and advised senior leadership on technology strategy.

Cybersecurity

- Designed identity federation and single sign-on with SAML and OAuth across Microsoft Entra ID (Azure AD) and Okta for global markets.
- Defined data-protection standards for sensitive credit data – classification, encryption and key management – and specified endpoint protection with Microsoft Defender for Endpoint.
- Ran threat modelling and security design reviews for every new cloud solution before release.

Earlier Career — Jul 2000 – Jun 2019

Consulting, architecture and database leadership

- **IT Consultant, Cloud Consulting (freelance):** Sep 2016 – Jun 2019.
- **Specialist Master, Deloitte Consulting India:** Oct 2011 – Aug 2016. Led cloud GRC compliance assessments, set secure cloud design standards and advised on microservice re-architecture of a multi-phase SaaS programme.
- **Technical Lead, Systime Global Solutions (now Birlasoft):** Jul 2007 – Oct 2011. Managed 1,500+ databases (250 TB) across 25 production servers; led data modelling for a global healthcare MDM system and legacy data migrations.
- **PL/SQL Developer & DBA, contract consulting firms:** Jul 2000 – Jun 2007.

CERTIFICATIONS (36)

Amazon Web Services	Solutions Architect – Professional & Associate • DevOps Engineer – Professional • Security – Specialty • Database, Data Analytics and Machine Learning – Specialty
Microsoft Security	Cybersecurity Architect Expert (SC-100) • Azure Security Engineer Associate (AZ-500)
Microsoft Azure	Azure Solutions Architect Expert (AZ-303, AZ-304, AZ-305) • Azure Administrator (AZ-104) • Azure AI Engineer • Azure Infrastructure Solutions
Google Cloud	Professional Cloud Architect • Professional Security Engineer • Professional Data Engineer • Cloud Digital Leader
Microsoft Business Apps	Power Platform Solution Architect Expert (PL-600), Developer (PL-400) • Dynamics 365 F&O Solution Architect Expert (MB-700), MB-300, MB-310
Architecture & ITSM	TOGAF 9 Certified • ITIL Expert (incl. Foundation and all Lifecycle & Capability modules) • AgilePM

EDUCATION

Ph.D., Cybersecurity Architecture (Zero Trust Architecture) – Sikkim Global Technical University — Aug 2025 – Present
M.Tech, Digital Communication (CGPA 9.3) – RGPV, Bhopal — 2022
PGDSCM, Supply Chain Management – Symbiosis Institute of Management, Pune — 2014
B.E., Electronics – VESIT, Chembur, University of Mumbai — 1998