

PAWAN DEORA

Senior Solutions Architect | Cloud Native & Hybrid Cloud Infrastructure | Platform Engineering

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PROFESSIONAL SUMMARY

Architect with 10 years in cloud-native infrastructure, DevOps, and enterprise platform engineering, including two years at Nutanix in customer-facing consulting/pre-sales across HCI, Kubernetes, and the cloud-native portfolio. Architect of secure, multi-tenant platforms spanning on-prem and hybrid cloud environments — landing-zone and network design, Kubernetes at scale, Day-2 automation, and observability — most recently leading the architecture of an enterprise agentic AI platform on Azure. 5x Nutanix certified (incl. NCM-MCI) and Microsoft Azure Solutions Architect Expert; combines hands-on implementation depth with pre-sales, solution design, and adoption consulting for global enterprise customers.

CORE COMPETENCIES

Cloud & Hybrid Infrastructure: Microsoft Azure (landing zones, hub-spoke networking, ExpressRoute, Private Link, WAF), AWS, hybrid multi-cloud design, sizing & capacity planning, cloud cost modelling

Containers & Cloud Native: Kubernetes (multi-cluster, production operations), Red Hat OpenShift, Docker, microservices architecture

Nutanix Platform: AOS, AHV, Prism, Kubernetes Engine (NKE/Karbon), NCM Self-Service (Calm), NDB, Files & Objects

DevOps & Automation: GitLab CI, Jenkins, CI/CD design, Day-2 operations automation, Python, Bash, SQL

Observability: Prometheus, Grafana, InfluxDB/Telegraf, LLM & platform observability

AI Platforms: Generative AI, LLMs, RAG, agentic AI, MLOps, AI infrastructure (GPU, on-prem & cloud)

Security & Compliance: Multi-tenant isolation, zero-trust network design, compliance-by-design (SOC 2, TISAX, ISO 27001, GDPR)

PROFESSIONAL EXPERIENCE

Senior Technical Architect

Apr 2026 – Present

KPIT Technologies, Pune

- Lead architect for Beacon, KPIT's multi-tenant agentic AI platform for the automotive industry — own end-to-end solution architecture spanning application design, platform engineering, cloud infrastructure, DevOps, security, and observability.
- Designed the platform's enterprise Azure landing zone: hub-spoke network topology, ExpressRoute and site-to-site VPN connectivity, next-generation firewall, and WAF / Private Link ingress paths for secure enterprise customer connectivity.
- Drive security-first, compliance-by-design architecture (SOC 2, TISAX, ISO 27001, GDPR readiness) covering threat modelling, tenant isolation, encryption, and SAST/DAST integration into delivery pipelines.
- Own infrastructure capacity planning, bill of materials, and multi-year cloud cost modelling for platform tiers from pilot to enterprise scale.
- Partner with product leadership, Microsoft, and global OEM customers to define technical strategy and solution architecture; drive architecture governance and engineering standards across service teams.

Solutions Architect

Feb 2024 – Mar 2026

KPIT Technologies, Pune

- Founding member of KPIT's AI organization — established cloud and on-prem AI infrastructure, engineering practices, and the core platform team driving enterprise AI adoption across the company.
- Architected and deployed a secure hybrid AI-as-a-Service platform spanning on-prem GPU infrastructure and Azure, serving both internal platforms and customer engagements.
- Built CI/CD automation for the end-to-end GenAI lifecycle (RAG, fine-tuning, agentic AI) and integrated LangChain and agent frameworks into SDLC and DevOps workflows.
- Developed an LLM observability platform for model performance, usage, and cost monitoring; built Python APIs integrating SQL/NoSQL data stores.
- Led customer onboarding, technical demos, and adoption workshops — scoping AI solutions with clients and translating business requirements into platform capabilities.

Senior Portfolio Specialist — DevOps, Automation & Cloud Native

Aug 2023 – Feb 2024

Nutanix, Pune

- Delivered pre-sales consulting and solution architecture for enterprise accounts across Nutanix HCI, Kubernetes (NKE), and Red Hat OpenShift in hybrid multi-cloud and on-prem environments — requirements discovery, solution design, sizing, and best-practice recommendations.
- Architected customer solutions on Nutanix AI infrastructure and advised on GenAI adoption, managed Kubernetes, database automation (NDB), cloud management, and network security.
- Designed DevOps and Day-2 automation solutions enabling customers to consume infrastructure as a service (IaaS) with secure, automated operations.

Portfolio Specialist — DevOps, Automation & Cloud Native

Apr 2022 – Jul 2023

Nutanix, Pune

- Provided technical design, adoption guidance and pre-sales consulting for Nutanix's cloud-native and automation portfolio (NKE/Karbon, NCM Self-Service, NDB, Files & Objects) on HCI for enterprise customers.
- Ran customer workshops and proofs-of-concept driving adoption of Kubernetes and infrastructure automation; applied DevOps principles to optimise and secure customer IT infrastructure.

Senior Technical Lead

Oct 2021 – Mar 2022

KPIT Technologies, Pune

- Designed and architected a next-generation vehicle virtual-validation platform on Kubernetes and Jenkins CI/CD, scaling to 200+ complex parallel simulations across 2,000+ containers on multiple Kubernetes clusters.
- Developed a custom Kubernetes scheduler that improved resource utilisation and job scheduling, accelerating job completion across the platform.

Technical Lead

Apr 2020 – Sep 2021

KPIT Technologies, Pune

- Owned design, build, and operations of the organisation-wide CI/CD system (GitLab CI, Docker, Kubernetes, AWS); operated production Kubernetes and Swarm clusters with Prometheus, Grafana, InfluxDB, and Telegraf monitoring.
- Led migration of internal applications from Pivotal Cloud Foundry to OpenShift, ensuring a smooth platform transition.

Software Engineer → Senior Software Engineer

Jun 2016 – Mar 2020

KPIT Technologies, Pune

- Central DevOps and code-quality team: modernised organisation-wide CI/CD onto a secure container platform (GitLab CI, Docker, Kubernetes), automating build, test, and deployment across engineering teams; developed in Python and Java.

CERTIFICATIONS

- Microsoft Certified: Azure Solutions Architect Expert — valid through Jul 2027
- NVIDIA — Rapid Application Development with Large Language Models (LLMs) — Oct 2024
- Microsoft Certified: Azure AI Fundamentals — May 2024
- Nutanix Certified Master — Multicloud Infrastructure 6 (NCM-MCI) — Oct 2023 *(expired)*
- Nutanix Certified Professional — Multicloud Infrastructure 6 (NCP-MCI) — Feb 2023 *(expired)*
- Nutanix Certified Professional — Multicloud Automation 6 (NCP-MCA) — Feb 2023 *(expired)*
- Nutanix Certified Professional — Unified Storage 6 (NCP-US) — Feb 2023 *(expired)*
- Nutanix Certified Professional — Database Automation 6 (NCP-DB) — Feb 2023 *(expired)*
- Microsoft Certified: Azure Administrator Associate — Jan 2023 *(expired)*
- Red Hat Sales Engineer Specialist — Container Platform — Jul 2023 *(expired)*
- AWS Certified Solutions Architect — Associate — Sep 2021 *(expired)*

EDUCATION

B.Tech — Mechatronics Engineering

2012 – 2016

University of Petroleum and Energy Studies (UPES), Dehradun