

Krishna Kumar Akurathi

Agentic AI Platform Architect · GenAI Governance · Enterprise BFSI

Hyderabad, India · 19 years of enterprise engineering experience

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PROFILE

Platform Solutions Architect for Intellect’s Purple Fabric, with experience building enterprise platforms for banking, financial services, and insurance. Focused on agentic AI architecture, model-agnostic platforms, GenAI governance, and cloud-native engineering. Combines platform engineering leadership with C-suite architecture workshops and enterprise solution design.

SELECTED PROJECT RESULTS

60% Fabric Lite cost reduction	45% Token Generator performance gain	40% DMS Lite throughput gain
35% Request turnaround improvement	30% Knative cost reduction	95%+ Digital Experts RAG accuracy

Results are specific to the respective projects and evaluated use cases.

AGENTIC AI PLATFORM ARCHITECTURE

Model Hub. Model registry, pluggable adapters, task-appropriate model selection, and token-cost metering.

Agentic Document Intelligence. Document and file handling, trusted context, and RAG ingestion for enterprise knowledge workflows.

Agent SDK and orchestration. Governed agent development, Python runtime integration, and multi-agent workflow architecture.

65+ Enterprise Digital Experts. Designed purpose-built agents for customer service, compliance, underwriting, and operations.

GENAI GOVERNANCE & SECURITY

Runtime policy. Six-plane enforcement spanning ingress, context assembly, planning, tool invocation, egress, and inter-agent boundaries.

Usage and cost control. Plan-lifecycle quota enforcement, entitlement management, and pluggable tenant- and model-level rate limiting.

Trust and traceability. Tamper-evident audit, tenant-aware authorization, SSO, machine-to-machine identity, and agent observability.

Experience & leadership

PROFESSIONAL EXPERIENCE

Platform Solutions Architect — Agentic AI & GenAI Governance

Intellect Design Arena · Purple Fabric · 2023–Present

Architecture across multi-agent orchestration, enterprise knowledge, model optimization, and governance. Leads enterprise architecture workshops and RFI/RFP solution design for Tier-1 banking engagements. Pioneered AI-DLC, an AI-native workflow for designing, building, and shipping agents.

Head of Platform Engineering

Intellect Design Arena · Intellect FABRIC · 2017–2023

Led 15 engineers and owned end-to-end engineering for a cloud-native, ML-powered insurance platform. Defined standards for microservices, Kubernetes-on-AWS, deployment, and security. Delivered Fabric Lite, Knative migration, Token Generator, DMS Lite, and request-caching improvements.

Senior Technical Lead — RBC Engagement

Intellect Design Arena · 2012–2016

Redesigned the Royal Bank of Canada Agent Portal across enterprise systems and upgraded Intellect BCS to resource-oriented architecture. Recipient of the Chairman's Excellence Award.

Earlier career

Technical Lead, Polaris Software Labs (2010–2011) · Senior Software Engineer, SEEC Asia (2007–2010). Delivered insurance and enterprise eCommerce systems, including the Allianz Australia engagement.

INNOVATION & RECOGNITION

Torvi. torvi.in — Independent WhatsApp-first agentic AI product for residential society management, built on AWS Bedrock and piloting with live users.

Best Technical Architect (Intellect, 2023) · Konark Award (Intellect, 2021) · Chairman's Excellence Award (RBC) · GEM Excellence Award (Allianz Australia).

SELECTED PUBLICATIONS

The Harness Behind the Agent

The Architecture Tax

From API-First to AI-First

Chatbots to Agentic AI

SKILLS & EDUCATION

Java · Python · LangChain · LangGraph · RAG · AWS · Kubernetes · Knative · Spring Boot · PostgreSQL · MongoDB · Redis · Keycloak · Kong · Casbin · OpenTelemetry.

B.Tech. — Computer Science & IT, Jawaharlal Nehru Technological University, Hyderabad.