

E SAI KRISHNA

AI Platform Engineer · Claude Certified Architect · AWS Developer Associate · AWS AI Practitioner

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| Hyderabad | Hybrid/Remote |

PROFESSIONAL SUMMARY

AI Platform Engineer and Acting Tech Lead with 8+ years building scalable backend systems, cloud-native APIs, and AI-native engineering workflows on AWS. Specialises in MCP server architecture, agent orchestration, and legacy-to-microservices modernisation. Key impact: 60% revenue increase through AWS re-architecture; 40% error reduction via microservices migration; 50% CI/CD efficiency gain. Built production MCP server for internal use at EPAM, designed SDLC automation agents adopted team-wide, and delivered a GenAI hackathon solution productionised by the client. Tracked DORA metrics and reduced MTTR from 3 days to 0.5 days through observability improvements. 16 engineers mentored. Recognition: Client Hero (EPAM 2024) · Delivery Excellence (EPAM 2025) · Highflier – Innovation (VM 2021). Seeking an Application/AI Platform Architect, Lead Engineer or Staff Engineer role to lead AI-enabled enterprise platform architecture at scale.

CORE COMPETENCIES

AI Platform & Agents

Claude Code / MCP / Agents
GitHub Copilot / Cline
LLM-Assisted Development
RAG / Vector DB (ChromaDB)
SDLC Automation
GenAI Hackathon Delivery

API & Platform Engineering

RESTful API Design · GraphQL
API Modernisation · Schema
Design · Idempotency · Versioning
Contract Enforcement ·
Agent-Ready APIs

Backend Engineering

API-First Design
Event-Driven / Pub-Sub
C# / .NET Core / ASP.NET
RESTful APIs & GraphQL
Microservices Architecture
Hangfire / Windows Services

Architecture & Design

System Design & Migration
Performance Optimisation
RCA & Incident Management
SOLID / Design Patterns
Technical Debt Reduction

Observability & Quality

CloudWatch · Application
Performance Monitoring traces ·
Distributed Tracing
SAST/SCA · GitHub Actions ·
Verify Tests · Integration Tests

Cloud & Infrastructure

AWS Lambda / EC2 / ECS
DynamoDB / RDS / S3
SNS / SQS / CloudWatch
API Gateway / IAM / VPC
Docker / CI-CD Pipelines

PROFESSIONAL EXPERIENCE

EPAM Systems, Hyderabad

Jul 2024 – Present

Senior Software Engineer | AI Platform & System Modernisation

Tech: Claude Code · MCP · AI Agents · .NET Core · C# · AWS · RESTful APIs · Docker · Hangfire · WCF · WebSocket
GitHub Actions · SQL Server · Angular · PostgreSQL · Verify Test

- Architected and deployed production MCP server** exposing .NET codebase analysis as structured, agent-consumable tools with hallucination-resistant schemas, retry orchestration, failure containment, and CloudWatch invocation observability; adopted as team-wide Claude Code standard
- Pioneered AI-native engineering practices across the team** Designed tool schemas, abstraction layers and built MCP servers, custom skills, slash commands, and SDLC automation agents (code gen, review, test coverage); Delivered a GenAI hackathon solution — including a RAG pipeline (ChromaDB) grounding tax agents in internal knowledge — adopted by the product team. Defined agent API observability standards — CloudWatch tracing and quality gates in GitHub Actions CI/CD.
- Mentor 11 engineers** in .NET, system design, and AI-native development; collaborate with clients on AWS evaluation and cloud-native API modernisation

Team Lead – Software Engineering | SHA System Modernisation

- Designed Workflow Orchestration Platform (Hangfire) replacing legacy batch system — retry policies, failure containment, idempotency guarantees, and CloudWatch observability; reduced job failure rate 30%, eliminated manual intervention for 90% of scenarios; WebSocket notifications (25% server load reduction, sub-500ms UX); RCA on WCF production outage with full recovery.
- Built a RAG pipeline (ChromaDB) grounding tax agent in internal knowledge base and documentation, enabling accurate Q&A and change-tracking without hallucination — part of the GenAI hackathon solution adopted by the product team.

Senior Software Engineer | Corporate Tax Platform

- Authored REST API modernisation design document with deterministic contracts, versioning, schema consistency, and observability requirements targeting ~50% performance improvement; adopted as team architectural standard; performance profiling reducing page load 40%; AWS RDS + Lambda optimisation achieving 20% cost reduction.

ValueMomentum, Hyderabad

Sep 2019 – Jun 2024

Tech: C# · .NET · AWS Lambda · DynamoDB · SNS/SQS · GitHub Actions · GraphQL · Stripe API · Socotra API

Software Engineer/Senior Software Engineer | InsurTech Platform (P&C Insurance)

- Proposed and implemented AWS infrastructure re-architecture resolving bulk quote conversion failures — 60% revenue increase within two quarters; designed DynamoDB-backed APIs with idempotency guarantees, rate controls, and tenant boundary enforcement at 99.9% availability SLA
- Orchestrated monolith-to-microservices migration with event-driven pub-sub (SNS/SQS) — 40% error reduction; pioneered GitHub Actions CI/CD across 5 services — 2 weeks → 3 days (50% gain); automated batch job system saving 104 engineer-days/year; mentored 5 engineers (2 promoted to Senior)
- Built RESTful and GraphQL APIs for Socotra PAS; automated quote pricing engine in under 5 seconds (80% manual review reduction); Stripe Payment Gateway integration; optimised document generation by 5+ seconds/document

HCLTech

January 2017 – April 2017

Product Support Engineer | Google DoubleClick for Publisher (DFP)

Tech: JavaScript · HTML · CSS

- Tier-2 technical support for enterprise clients (Microsoft, Motorola, Samsung, Apple); documented defects in JIRA and coordinated with engineering for resolution.

Tata Consultancy Services

January 2016 – October 2016

Manual & Automation Test Engineer – Contract Assignment | Telecom CRM & Order Processing

Tech: C# · .NET · SQL Server · REST APIs · Oracle RODOD

- Designed and automated regression test suites using Selenium and NUnit in C#.NET; improved regression coverage by 60%.

CERTIFICATIONS

Claude Certified Architect – Foundations — Anthropic	Apr 2026
AWS Certified Developer – Associate — Amazon Web Services	Aug 2025
AWS Certified AI Practitioner — Amazon Web Services	Sep 2025
Google Cloud: Generative AI Leader — Google Cloud	Jun 2025
AWS Partner: Technical Accredited — Amazon Web Services	Aug 2024
Certified Technical Interviewer – EPAM Systems	

EDUCATION

Bachelor of Technology – Electronics & Communications <i>Keshav Memorial Institute of Technology, JNTU Hyderabad</i>	2015
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KEY ACHIEVEMENTS & RECOGNITION

- 60% Revenue Increase & 40% Error Reduction - Re-architected AWS infrastructure and designed microservices for migration with event driven architecture resolving bulk quote conversion failures at ValueMomentum.
- 50% CI/CD Efficiency Gain - Pioneered GitHub Actions adoption; release cycles from 2 weeks → 3 days.
- Pioneered AI-native engineering practices across the team. Built production MCP servers, designed tool schemas and abstraction layers, created custom skills and slash commands, and deployed SDLC automation agents for code generation, review, and test coverage; GenAI hackathon solution productionised by client.
- Engineering Quality - Added Verify end-to-end integration tests and editorconfig standards across platform.
- CI/Release Improvements - Build verification, Flyway DB migration checks in CI/Git hooks, GitHub Actions release branching strategy.
- 16 Engineers Mentored — EPAM Systems (11) + ValueMomentum (5); 2 promoted to Senior level.
- Open-source: ai-sdlc — an agentic SDLC framework (deterministic orchestrator, QA-validated gates, independent verification); eShopOnWeb AIDLC — a reference implementation with agentic CI/CD (6 quality gates, issue-to-PR + AI PR-review workflows, TDD security fix, secrets-guard hook).