

# E SAI KRISHNA

Senior Software Engineer | Claude Certified Architect | AWS Developer Associate

+91-9908866642 | krishnas1433@gmail.com | linkedin.com/in/ekrishnas | github.com/ekrishnas  
| Hyderabad | Open to Remote |

## PROFESSIONAL SUMMARY

Senior Software Engineer with 8+ years of experience designing and delivering scalable backend systems, cloud-native micro services, monolithic applications, and event-driven architectures on AWS. Proven record of driving measurable business impact - 60% revenue increase, 40% error reduction, and 50% improvement in CI/CD efficiency. Acting Team Lead at EPAM Systems mentoring six engineers and leading architectural modernisation initiatives. Holds AWS Certified Developer – Associate, AWS AI Practitioner, and Claude Certified Architect credentials. Recognised AI Maturity Level 3 practitioner — introduced MCP servers, AI agents, skills, and frameworks for GenAI SDLC, also delivering a GenAI hackathon solution adopted by the team. Seeking a Lead Software Engineer or Senior Software Engineer role at a high-growth company for designing building and developing systems at scale.

## CORE COMPETENCIES

### Backend Engineering

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

### Cloud & Infrastructure

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

### AI

Claude Code / MCP / Agents  
GitHub Copilot / Cline  
LLM-Assisted Development  
AI Maturity Level 3, AI assisted  
engineering, AI in SDLC

### Architecture & Design

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

### Data & Integration

SQL Server / PostgreSQL  
DynamoDB / NoSQL  
Stripe / Socotra / Webhooks  
WebSocket / WCF

### Leadership

Team Lead – 11 Engineers  
Technical Mentorship  
Certified Tech Interviewer  
Architectural Reviews  
Agile / Scrum Delivery

## PROFESSIONAL EXPERIENCE

### Team Lead - Software Engineering

Jan 2026 – Present

#### EPAM Systems, Hyderabad | New Features & System Modernization

- Lead migration of legacy monolithic systems to high-performance RESTful microservices, improving API response times, cost optimization and reducing technical debt across service domains.
- Architect and implement AI-assisted development workflows using Claude Code and Model Context Protocol (MCP), achieving AI Maturity Level 3 — introduced agents, skills, MCP server, and tools adopted by the team.
- Delivered GenAI hackathon solution leveraging LLM agents (Claude, GitHub Copilot, Cline) for code generation, automated review, and test coverage.
- Mentor 11 engineers in .NET best practices, system design, and cloud-native and AI-native development patterns through weekly technical sessions and structured code reviews.
- Collaborate with clients and architects on AWS infrastructure evaluation and cloud-native solution design for improving legacy systems.

Tech: .NET Core · C# · AWS · RESTful APIs · Claude Code · MCP · AI Agents · GitHub Copilot · Docker · Git

### Senior Software Engineer

Jan 2025 – Dec 2025

#### EPAM Systems, Hyderabad | Service Health Assessment - System Modernisation

- Authored Batch Migration design document and led zero-issue production rollout — Hangfire background job framework replacing legacy batch system with configurable retry and real-time monitoring.
- Investigated WCF service outage that blocked the Hangfire job queue; performed RCA and recommended a targeted revert that fully recovered the production outage.

- Designed high-throughput queueing system with retry policies reducing job failure rate by 30% and eliminating manual intervention for 90% of failure scenarios.
- Implemented WebSocket-based real-time progress notifications replacing polling, reducing server load by 25% and delivering sub-500ms user feedback.
- Added build verification steps, Flyway DB migration checks in CI/Git hooks, and a release branching strategy using GitHub Actions — improving release confidence and repeatability.
- Refactored legacy ASP.NET applications applying SOLID principles for maintainability, reducing average response latency by 20%.

*Tech: .NET · Hangfire · WCF · WebSocket · Windows Services · GitHub Actions · Flyway · NET · SQL Server*

## Senior Software Engineer

Jul 2024 – Dec 2024

### EPAM Systems, Hyderabad | Corporate Tax Platform

- Authored design document to migrate data-access services to REST, targeting ~50% performance improvement; document adopted as team standard for architectural decisions.
- Deep performance profiling and root-cause analysis on complex .NET systems, resolving bottlenecks that reduced average page load time by 40%.
- Help improving code quality standards across the platform.
- Evaluated AWS infrastructure configuration for application performance, recommending RDS optimisation and Lambda concurrency adjustments resulting in 20% cost reduction.
- Led cross-team architectural alignment sessions across ASP.NET, .NET Core, Angular, and PostgreSQL stack.

*Tech: ASP.NET · .NET Core · Angular · PostgreSQL · AWS EC2 · AWS RDS · Performance Profiling · Verify*

## Senior Software Engineer & Team Lead

Sep 2019 – Jun 2024

### ValueMomentum, Hyderabad | InsurTech Platform (P&C Insurance)

- Proposed and implemented AWS infrastructure re-architecture resolving bulk quote conversion failures — directly contributing to a 60% revenue increase within two quarters.
- Pioneered CI/CD pipeline adoption using GitHub Actions across 5 services, reducing release cycles from 2 weeks to 3 days and achieving 50% deployment efficiency improvement.
- Orchestrated migration from monolithic to microservices architecture with event-driven pub-sub communication, reducing system errors by 40% and improving fault isolation.
- Designed automated batch job system replacing manual processes, saving the service team 2 full working days per week (104 days annually).
- Built DynamoDB-backed data access layer supporting high-throughput insurance transaction processing with 99.9% availability SLA compliance.
- Mentored 5 engineers through structured code reviews and pair programming: 2 promoted to Senior level.

*Tech: C# · .NET · AWS Lambda · DynamoDB · SNS · SQS · GitHub Actions · CI/CD · Microservices · Event-Driven Architecture*

## Software Engineer

2019 – 2022

### ValueMomentum, Hyderabad | InsurTech Platform (P&C Insurance)

- Designed and built RESTful APIs for Socotra Policy Administration System, enabling seamless data exchange across policy lifecycle stages.
- Implemented automated quote pricing engine with underwriting approval logic, delivering decisions in under 5 seconds and reducing manual review effort by 80%.
- Prototyped and implemented webhook-based payment flow decoupling order processing from payment execution, improving UX and system resilience.
- Integrated Stripe Payment Gateway supporting refunds, adjustments, and scheduled payments; authored API documentation for Stripe and third-party integrations.
- Optimised document generation pipeline reducing processing time by 5+ seconds per document, improving throughput for high-volume batch operations.

*Tech: C# · .NET · GraphQL · Stripe API · Socotra API · Webhooks · SQL Server · REST APIs*

## Automation Test Engineer

2016

### Tata Consultancy Services | Telecom CRM & Order Processing

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

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

## Product Support Engineer

2017

*HCLTech | Google DoubleClick for Publisher (DFP)*

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

*Tech: JavaScript · HTML · CSS*

## CERTIFICATIONS

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<b>Claude Certified Architect – Foundations</b> — Anthropic	<i>Apr 2026</i>
<b>AWS Certified Developer – Associate</b> — Amazon Web Services	<i>Aug 2025</i>
<b>AWS Certified AI Practitioner</b> — Amazon Web Services	<i>Sep 2025</i>
<b>Google Cloud: Generative AI Leader</b> — Google Cloud	<i>Jun 2025</i>
<b>AWS Partner: Technical Accredited</b> — Amazon Web Services	<i>Aug 2024</i>
<b>Certified Technical Interviewer</b> — Internal / Account	<i>2025</i>

## EDUCATION

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<b>Bachelor of Technology – Electronics &amp; Communications</b> <i>Keshav Memorial Institute of Technology, JNTU Hyderabad</i>	<b>2015</b>
<b>Board of Intermediate</b> <i>Sri Chaitanya Junior College, Hyderabad</i>	<b>2011</b>
<b>Secondary School Certificate (SSC)</b> <i>Don Bosco High School, Hyderabad</i>	<b>2009</b>

## KEY ACHIEVEMENTS & RECOGNITION

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- 60% Revenue Increase — Re-architected AWS infrastructure resolving bulk quote conversion failures at ValueMomentum.
- 40% Error Reduction — Designed microservices migration with event-driven architecture replacing fragile monolith.
- 50% CI/CD Efficiency Gain — Pioneered GitHub Actions adoption; release cycles from 2 weeks → 3 days.
- AI Maturity Level 3 — Introduced MCP server, AI agents, and skills framework; GenAI hackathon solution implemented and adopted.
- 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.
- Organisational Contributions — Referrals, technical interviews (Certified Tech Interviewer), and knowledge-sharing sessions.
- 16 Engineers Mentored — EPAM Systems (11) + ValueMomentum (5); 2 promoted to Senior level.

<b>Highflier of the Quarter – Innovation</b> — ValueMomentum	<i>2021</i>
<b>Made a Difference – Annual Award</b> — ValueMomentum	<i>2022</i>
<b>Client Hero – Accomplishment Award</b> — EPAM Systems	<i>2024</i>
<b>Delivery Excellence – Accomplishment Award</b> — EPAM Systems	<i>2025</i>
<b>Client Focus – Accomplishment Award</b> — EPAM Systems	<i>2025</i>