

Aagam Doshi

LEAD SOFTWARE ENGINEER | GENAI SYSTEMS | DISTRIBUTED SYSTEMS | CLOUD ARCHITECTURE

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PROFESSIONAL SUMMARY

Lead Software Engineer with nearly a decade of experience designing scalable, cloud-native platforms, high-throughput distributed systems, and GenAI-powered developer acceleration tools. Proven track record in serverless architectures, custom AI agent orchestration, and enterprise workflow automation. Expert in driving system reliability, infrastructure optimization, and building high-impact platforms that radically boost developer velocity and reduce operational overhead.

EXPERIENCE

Lead Software Engineer @ Cimpres

Aug 2020 - Present

Product: Mass Customization Platform (MCP), COMET

- **Architected and scaled** serverless microservices infrastructure supporting **50+ core services** across global regions, driving a **30% reduction** in operational costs.
- **Designed and integrated** autonomous AI agents using Cursor, AWS Bedrock, and multiple foundational models (GPT-4 / Claude) into the engineering lifecycle to automate end-to-end code reviews and story-to-code generation workflows.
- **Architected and drove enterprise adoption** of a distributed workflow orchestration platform using Netflix Conductor, Apollo GraphQL, and GenAI agents, optimizing background processing pipelines and system scalability.
- **Owned reliability engineering strategies** to achieve close to **0% downtime** for mission-critical e-commerce pathways, processing thousands of critical daily events and transactions.
- **Spearheaded infrastructure optimizations** and Infrastructure as Code (IaC) blueprints utilizing **AWS SAM, AWS CDK, and Humanitec**; optimized CI/CD performance to slash build times by **40%** and accelerate velocity for global Dev teams.
- **Mentored and guided junior engineers**, fostering technical growth in serverless design patterns, asynchronous programming, and clean system architectures.

Technology: GenAI (LLMs, AWS Bedrock, Cursor, AI Agents), AWS (CDK, SAM, Lambda, AppSync), Humanitec, Go, Serverless Microservices, Node.js, PostgreSQL, Apollo GraphQL, React, CI/CD, Docker, Distributed Systems

Senior Software Engineer @ Zycus

Feb 2019 - Aug 2020

Product: Dewdrops (Angular), Word Connect

- **Led the engineering** of a custom MS Word enterprise plugin via Angular and Office.js, increasing active user engagement by **25%**.
- **Directed core R&D operations** for cloud-hosted MS Word Online integrations, Appstore architectures, and secure OAuth 2.0 authentication frameworks.

Technology: C#, Angular, RxJS, Azure (AD, Logic Apps, Graph API, MSAL), SQL Server, Office.js

Product: SMART by GEP

- **Engineered full-stack features** and performance optimizations across mission-critical procurement product pipelines.
- **Collaborated with Product Management** to drive technical requirement analysis, translating complex product epics into scalable system designs.
- **Maintained a target of Zero Defects** across multiple major production releases for high-value enterprise accounts.

Technology: SQL Server, C# .NET, MVC, Angular, Azure

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, GoLang, C#

AI Engineering: Generative AI Systems, Large Language Models (LLMs), AWS Bedrock, Autonomous AI Agents, Cursor

Cloud & Backend: Node.js, Serverless Microservices, Event-Driven Architectures, Distributed Systems, AWS (CDK, SAM, Lambda, AppSync), Azure (Logic Apps), RESTful APIs, GraphQL

Architecture/Tools: System Design, Scalability, Reliability Engineering, Humanitec, Workflow Orchestration (Netflix Conductor / Orkes), Docker, CI/CD (GitLab), New Relic, Sumo Logic, Snyk, JIRA

Databases: PostgreSQL, SQL Server, Snowflake, Looker

Frontend: React, Angular, RxJS

HONORS, AWARDS & LIVE PROJECTS

2nd Runner up at HACKATHON 2018 @ GEP, Mumbai (Jun 2018)

Engineered a smart chatbot assistant prototype for GEP using Microsoft Cognitive Services and LUIS Model. Awarded 20k INR cash prize.

Real-Time Stock Updates with Live Charts – Angular, Chart.js, WebSockets

Personal Portfolio Website – Angular, RxJS, HTML, CSS, Firebase (aagam30794.web.app/)

CERTIFICATIONS & EDUCATION

Certifications: Node.js Essential Training, Microservices Foundations, Building RESTful APIs with Node.js and Express, AWS Lambda, Advanced JavaScript Masterclass, and Leadership: Becoming an Effective and Dynamic Leader.

B.E. in Computer Engineering – K.J. Somaiya College of Engineering (*Autonomous*)

Higher Secondary Certificate (HSC) – Mithibai College, Mumbai University

COMMUNITY PARTICIPATION

Orkes Developer Meetups (Google HQ, Bangalore) • Elastic Community (Mumbai) • Google Cloud Community (Mumbai) • MS Office Addin • MS Ignite