

# SUMEET SAHU

Principal Engineer

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## PROFESSIONAL SUMMARY

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Principal Engineer at Intuit, NITK alumnus with 18+ years building scalable systems. Expert in GenAI-driven development, distributed systems architecture, and engineering efficiency. Track record of 50% productivity improvements, \$600K+ cost savings, and serving millions of users across Intuit, Amazon, Adobe, Microsoft, and startups.

## PROFESSIONAL EXPERIENCE

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### Principal Engineer

September 2024 — Present

Intuit - Bangalore

Pioneered transformative GenAI-driven code generation initiative for 8,000+ developers, fundamentally re-engineering the software development lifecycle. Architected and deployed cutting-edge AI solutions and automated workflows, achieving 50% productivity boost and drastically reducing time-to-market. Lead specialized team in exploring high-impact GenAI tools, fostering innovation and cross-functional excellence that has redefined developer efficiency at scale.

### Senior Software Development Engineer

February 2020 — September 2024

Amazon India - Bangalore

Led team of 30 SDEs developing MAARS, a mission-critical financial system for manifest ingestion, contractual accounting, and multi-billion-dollar reconciliation for Amazon Transportation. Spearheaded architectural redesign of Allocation System using Apache Beam, processing 1.5 billion daily transactions at 15,000 TPS. Migration reduced processing costs by 60%, delivering \$600K in annual savings. Drove expansion of Amazon Global Mile business unit and launched ship-cost improvement platform providing actionable cost-reduction insights for leadership.

### Computer Scientist - II (promoted from Computer Scientist)

July 2015 — February 2020

Adobe India - Noida

Progressive career spanning platform architecture and SDK development at Adobe. Led Gyarados platform for Adobe Experience Cloud serving millions; developed PDF Scan SDK with DRM, security, and compliance. Specialized in multi-cloud containerization, orchestration, and enterprise-grade document solutions.

### Software Engineer 2

December 2012 — June 2015

Microsoft India - Hyderabad

Architected and delivered end-to-end feature areas for Bing UX, serving as technical lead for major segment-wide initiatives from concept to deployment. Collaborated closely with design and product management to champion user experience, translating complex requirements into high-performance code and scalable technical designs. Subject matter expert navigating intricate technical challenges and driving engineering excellence across the segment, ensuring seamless and responsive interface for millions of users.

### Founder and Developer

November 2010 — November 2016

myPNRstatus

Founded and scaled myPNRstatus, innovative startup and automated SMS alert service streamlining travel experience for Indian Railway passengers. Engineered system delivering real-time updates on PNR status and train delays, eliminating manual tracking. As solo founder, grew platform to 600,000 unique users through organic adoption, demonstrating ability to build and manage high-traffic, user-centric products from ground up.

CA Technology - Hyderabad

Worked on EITM Software Service Desk providing Single Point of Contact (SPOC) to meet communications needs of both Users and IT, satisfying Customer and IT Provider objectives.

KEY ACHIEVEMENTS

- Pioneered enterprise-wide GenAI code generation initiative, transforming SDLC for thousands of developers
- Redesigned allocation system using Apache Beam, reducing costs by 60% while processing billions of transactions
- Founded and scaled automated travel alert service for Indian Railways from zero to 600,000 users
- Architected Gyarados, central async service platform syncing digital assets in multi-cloud containerized environment

PATENTS & PUBLICATIONS

Digital Media Environment for Removal of Interference Patterns from Digital Images

US 10,134,113 • Issued November 20, 2018 • Adobe Inc.

TECHNICAL SKILLS

GenAI & AI Technologies

Claude (Anthropic), ChatGPT (OpenAI), Code Generation, AI-Driven Automation, Prompt Engineering, LLM Integration

Architecture

Event Driven Architecture, Server-less Architecture, Microservice-based Architecture, RESTful APIs, SaaS/PaaS/IaaS, Distributed Systems

Languages, Operating Systems & Tools

Java, Python, C#, C++, PHP, JavaScript, TypeScript

Containers & Cloud

Docker, AWS, Azure, Apache Beam

EDUCATION

National Institute of Technology Karnataka

2003 - 2007

Bachelor of Technology in Electronics and Communication