

# SUMEET SAHU

Principal Engineer

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## PROFESSIONAL SUMMARY

Principal Engineer at Intuit, NITK alumnus with 17+ 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

### 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

myPNRstatus

November 2010 — November 2016

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.

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

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- 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

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### Digital Media Environment for Removal of Interference Patterns from Digital Images

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

## TECHNICAL SKILLS

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### 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

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National Institute of Technology Karnataka

2003 - 2007

**Bachelor of Technology in Electronics and Communication**