SUMEET SAHU

Principal Engineer

Bengaluru, India • contactme@sumeetsahu.com • 0091-9963027920 • linkedin.com/in/sumeetsahu • github.com/sumeetsahu

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
July 2016 — February 2020

Adobe India - Noida

Directed full lifecycle development of Gyarados, a central asynchronous service platform for Adobe Experience Cloud (CC Home) synchronizing digital assets for millions of users. Designed and deployed highly available, secure core frameworks within multi-cloud containerized environment. Key contributions: dockerization of Windows Workers, architecture of new orchestration layer, and custom autoscaling strategies for asynchronous services optimizing performance and resource efficiency across multiple clouds.

Computer Scientist
July 2015 — June 2016

Adobe India - Noida

Spearheaded development of PDF Scan Library SDK and PCL Print Engine, delivering high-performance solution for converting scanned documents into authentic Adobe PDFs. Engineered core functionalities including DRM protection, digital timestamping, and image cleanup, ensuring enterprise-grade security and PDF/A compliance. Managed end-to-end integration of features like watermarking and document security, providing customers with robust toolkit for professional-grade document digitization.

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.

Software Engineer

June 2007 — December 2012

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 GenAI code generation initiative impacting 8,000+ developers with 50% productivity improvement
- Delivered $600K annual cost savings through Apache Beam migration processing 1.5B daily transactions
- Scaled myPNRstatus startup from zero to 600,000 users as solo founder
- Architected multi-cloud orchestration platform serving millions of Adobe Experience Cloud users

PATENTS & PUBLICATIONS

Digital Media Environment for Removal of Interference Patterns from Digital Images

US Patent 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