

KUSH BATRA

DIRECTOR / VP TECHNOLOGY | AI & ENGINEERING | PLATFORM & CLOUD | DEVOPS / SRE

Bengaluru, India | Open to India & Global Leadership Opportunities

16+ Years Technology & Engineering Leadership | Enterprise AI | Software Engineering | Cloud & Platform Engineering | AWS | Kubernetes | DevOps / SRE

EXECUTIVE PROFILE

Technology and engineering leader with **16+ years of experience** building and transforming software engineering, enterprise platforms, cloud infrastructure, SRE/DevOps and AI capabilities across large-scale organizations.

Most recently served as **Director, Generative AI & Engineering at Capital One**, leading global initiatives across AI-powered software engineering, developer platforms, enterprise knowledge systems and engineering automation. Experienced in translating emerging technologies into **secure, scalable and production-ready capabilities**, while working across engineering, product, architecture, cybersecurity, risk and executive leadership.

Combines **strategic technology leadership with deep hands-on engineering expertise** across AI/ML, cloud architecture, Kubernetes, platform engineering, distributed systems, DevOps/SRE, automation and application platforms. Built and scaled AI capabilities reaching **16,000+ engineers** and delivered **\$1.8M+ annualized infrastructure savings**.

Recognized for enterprise technology innovation, engineering transformation and measurable business impact.

LEADERSHIP & TECHNICAL EXPERTISE

Technology Leadership: Technology Strategy | Engineering Strategy | Architecture | Digital Transformation | 0→1 Product Development | Engineering Operating Models | Technical Roadmaps | Executive Stakeholder Management

AI & Engineering: Generative AI | LLM Applications | RAG | Agentic AI | AI Developer Platforms | AI Code Review | Test Generation | Developer Knowledge Systems | Enterprise AI Adoption | AI Governance

Cloud & Platforms: AWS | AWS Bedrock | Kubernetes | Amazon EKS | Azure | GCP | Platform Engineering | Infrastructure as Code | APIs | Distributed Systems | Microservices

Reliability & Operations: DevOps | SRE | CI/CD | Observability | Reliability Engineering | Production Readiness | Infrastructure Automation | Security | Access Management | Cloud Cost Optimization

Application & Data: PostgreSQL | Supabase | OpenSearch | Semantic Search | Data Modeling | Application Architecture | Enterprise Knowledge Platforms

PROFESSIONAL EXPERIENCE

CAPITAL ONE

Director, Generative AI & Engineering

Aug 2026 – Oct 2026 | Bengaluru / Global

- Led a portfolio of enterprise AI and engineering initiatives spanning **AI-powered code review, intelligent engineering assistants, enterprise knowledge platforms and AI developer tooling**.
- Defined technical strategy and architecture across scalability, security, governance, developer experience and production reliability.
- Led cross-functional **MLE, Engineering, Platform Engineering and DevOps** teams while partnering with senior technology and CTO leadership across the US and India.
- Architected a production engineering knowledge platform combining **AWS EKS, OpenSearch, semantic retrieval, reranking, LLMs and historical Slack support knowledge**.
- Led secure enterprise integration of **Claude Code CLI with AWS Bedrock**, using API Gateway and OAuth while coordinating Engineering, Cybersecurity, Risk, Compliance, Architecture and Platform teams.
- Converted emerging GenAI capabilities into enterprise-ready solutions with appropriate architecture, security, governance and operational controls.

Recognition: CTO TechX Award 2026 | Icons of Excellence 2025

Senior Manager, Generative AI Initiatives

Aug 2023 – Aug 2026 | Bengaluru / Global

- Built and scaled AI-assisted software engineering capabilities reaching **16,000+ engineers** across the enterprise.
- Led 0→1 development and enterprise adoption of AI products including **code review, test-case generation, documentation, risk-impact analysis and developer knowledge support**.
- Established reusable architecture patterns for **RAG, semantic retrieval, reranking and LLM-powered engineering workflows**.
- Led technology evaluation, architecture, security readiness, operational readiness and enterprise rollout of AI coding assistants across global engineering organizations.
- Partnered with senior US technology leadership to define AI engineering strategy, identify high-value opportunities and scale successful initiatives.

- Drove enterprise adoption of AI capabilities by connecting technology initiatives with measurable engineering productivity and developer experience outcomes.

Recognition: Achievers Award 2024 | GenAI Hackathon 2024, 2nd Prize

PAYTM

Senior Engineering Manager

Dec 2021 – Aug 2023 | Bengaluru

- Led **cloud infrastructure, platform engineering, DevOps/SRE and engineering automation** initiatives.
 - Delivered **\$1.8M+ annualized savings** through cloud optimization, infrastructure modernization and automation.
 - Built cloud cost intelligence and proactive alerting capabilities to improve visibility and control of infrastructure expenditure.
 - Automated JIRA-driven infrastructure provisioning, reducing turnaround from **days to approximately one hour** and saving **10+ developer-hours per request**.
 - Automated access management, reducing turnaround from **2-7 days to approximately 10 minutes**.
 - Automated patch management, reducing execution cycles from approximately **3 months to 1 week**.
 - Modernized identity architecture from **OpenLDAP to SAML-based authentication**.
 - Migrated an EC2-based Hive environment to a **Kubernetes-based Presto platform**, modernizing the data platform architecture.
-

COFORGE

DevOps Specialist

Mar 2021 – Dec 2021

- Delivered cloud, DevOps, infrastructure automation and platform engineering capabilities across enterprise environments.
 - Supported modernization of engineering and operational workflows through automation and reliability improvements.
-

MOBILEUM

Project Lead, SRE

Sep 2015 – Feb 2021

- Led SRE, cloud, DevOps and reliability engineering initiatives supporting **Telia Group across Nordic European markets**.
 - Drove production reliability, automation, security, infrastructure modernization and technology transformation.
 - Led engineering teams across distributed production environments and delivered operational improvements spanning reliability, automation and infrastructure efficiency.
 - Recognized with **MVP Award 2019** for engineering impact.
-

SELECTED ENTERPRISE IMPACT

AI ENGINEERING AT ENTERPRISE SCALE

Scaled AI-assisted software engineering capabilities to **16,000+ engineers**, spanning code review, test generation, documentation, knowledge retrieval and developer productivity.

ENTERPRISE AI KNOWLEDGE PLATFORM

Architected a production platform combining **EKS, OpenSearch, semantic retrieval, reranking, LLMs and organizational support knowledge** to improve engineering knowledge discovery.

CLOUD COST TRANSFORMATION

Delivered **\$1.8M+ annualized savings** through cloud optimization, infrastructure modernization, cost intelligence and automation.

ENGINEERING AUTOMATION

Automated infrastructure provisioning, access management and patch management, reducing operational processes from **days/months to minutes/weeks**.

PLATFORM MODERNIZATION

Modernized identity, data and infrastructure platforms through **SAML, Kubernetes, Presto and cloud-native architectures**.

TECHNOLOGY

AI / ML: Generative AI | LLMs | RAG | Agentic AI | LangChain | LangGraph | Hugging Face | PyTorch | TensorFlow | Semantic Search | Reranking

Cloud / Platform: AWS | AWS Bedrock | Kubernetes | Amazon EKS | Azure | GCP | Infrastructure as Code | CI/CD | APIs | Distributed Systems | Microservices

Application / Data: PostgreSQL 10+ years | Supabase 10+ years | OpenSearch | Data Modeling | Application Architecture

Engineering: Platform Engineering | DevOps | SRE | Observability | Reliability Engineering | Automated Testing | Security | System Design | Agile

EDUCATION & CERTIFICATION

B.E. Electronics & Communication Engineering

Maharshi Dayanand University | 2005–2009

Certified Kubernetes Administrator (CKA)

Linux Foundation

SELECTED RECOGNITION

CTO TechX Award 2026 | Capital One

Icons of Excellence 2025 | Capital One

Achievers Award 2024 | Capital One

GenAI Hackathon 2024 – 2nd Prize | Capital One

Hall of Fame 2023 | Paytm

MVP Award 2019 | Mobileum