Som Nath

Hands-on Engineering Leader

Enterprise AI • Forward-deployed delivery • Distributed systems

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10
UAE government entities live on ASK71

100K+
users across our client deployments

$20M+
annual billing on accounts our team delivers

$70M+
sales through an NFT marketplace I led

100M+
notifications per month at Compass

$40B+
annual transactions on Meta supplier portals

PROFILE

Builder-leader with 14+ years designing, shipping and running production platforms across AI, fintech, social media, real estate and Web3. I lead from inside the work: I set architecture direction, review and challenge critical designs, dig into failure modes, and personally unblock high-risk delivery. Today I am the founding staff engineer and technical lead of ASK71, an enterprise agentic AI platform deployed across UAE government, and I manage the forward-deployed engineering team that takes it into client environments. Before that I was Head of Engineering at Dizart and an engineer at Meta, Compass and Flipkart.

WHAT I BRING

Architecture at scale
Multi-tenant platforms and distributed backends, shaped by Meta-scale ML pipelines at ~240K assets/sec.

Agentic & generative AI
Agentic workflows, LLM orchestration, MCP tool integrations, enterprise search, guardrails, and sovereign on-prem inference.

Client delivery
Take products from discovery to production inside government clients, including air-gapped and on-prem environments.

Teams & hiring
Built and scaled engineering teams at AI71, Dizart and Meta; 400+ technical interviews and a defined hiring bar.

People & client leadership
Lead engineering teams and client relationships at once, from executive conversations to code-level trade-offs.

Fintech & blockchain
$40B+ supplier payments at Meta, 1.5M invoices a day at Flipkart, $70M+ NFT marketplace.

EXPERIENCE

AI71 Abu Dhabi, UAE — Dec 2024 – Present

Founding Staff Engineer & Technical Lead – Forward Deployed Engineering

- **0-to-1 enterprise AI.** Built ASK71 from scratch: an enterprise agentic AI platform with permission-aware search across company knowledge, AI assistants, an agent builder, enterprise connectors and private on-prem inference. Live across 10 UAE government entities with 100K+ users.
- **Engineering leadership.** Lead a team of 20 engineers and own core platform architecture — API layer, multi-tenancy, retrieval, integrations and deployment; run design reviews that steer teams toward simpler, lower-risk and lower-cost solutions.
- **Forward-deployed engineering.** Manage the forward-deployed team and lead delivery for 2 strategic government entities within a $20M+ annual-billing portfolio; embed with client teams from discovery and solution architecture to production, and turn field needs into reusable platform capabilities and connectors.
- **Closed-loop quality.** Built an end-to-end feedback system for air-gapped deployments — capturing user feedback and failures inside isolated environments, triaging them, and shipping fixes back through the platform.
- **AI governance.** Architected agent and tool governance: tenant-level permissions, policy enforcement, auditability, human-in-the-loop approvals, idempotency and failure recovery.
- **Omnichannel AI.** Built the conversation layer behind every surface, so one assistant, one set of policies and one conversation history follow users across web, mobile, desktop, Slack and Teams.
- **Building the org.** Set the hiring bar and ran 300+ technical interviews; defined engineering standards, delivery cadence and release practices as the team grew.

Stack Python, FastAPI, Next.js, PostgreSQL, Redis, Docker, Terraform, Azure, LLMs, agents, MCP

Dizart Solutions Remote / Global Feb 2023 – Dec 2024

Head of Engineering

- **Engineering leadership.** Led 15 engineers across 3 teams and multiple client products, owning architecture, hiring, delivery and production stability; served clients including Google and Sony.
- **Global remote org.** Built the engineering team from the ground up as a distributed remote organisation across multiple countries.
- **NFT marketplace.** Led architecture and delivery of a blockchain-based marketplace that processed $70M+ in sales.
- **Generative AI & mobile.** Shipped generative AI media products — AI face-swap video and voice transformation — alongside mobile applications for global customers.

Stack React, TypeScript, Python, AWS, mobile

Compass Remote / India Oct 2020 – Jan 2023

Senior Software Engineer

- Built and operated notification systems dispatching 100M+ notifications per month across email, push and SMS.
- Designed a Twilio-based messaging Platform-as-a-Service that improved response times and customer engagement.
- Worked across backend, frontend and infrastructure on a fast-growing real estate platform.

Stack Java, Go, Python, React, TypeScript, MySQL, Thrift

Meta London, UK Dec 2018 – Feb 2020

Software / Enterprise Engineer

- Developed supplier portals handling $40B+ in annual financial transactions.
- Built ML pipelines filtering ~240K media assets per second for content integrity and safety.
- Conducted 100+ interviews across software and enterprise engineering roles.

Stack Hack, React, Rust, TAO, Spark, Python, GraphQL, C++

Flipkart Bengaluru, India Sep 2016 – Aug 2018

Software Development Engineer

- Built invoice generation and document-signing systems handling 1.5M documents per day.
- Integrated third-party orders into Flipkart's Order Management System.

Stack Java, React, Ruby, GraphQL, MySQL

EARLIER

Tracxn Technologies | Software Engineer Jan 2016 – Sep 2016

Built the core frontend and a Chrome extension that contributed ~30% of company revenue.

RS InfoCorp | Co-founder Jul 2012 – Nov 2015

Co-founded a services firm building education platforms for Indian institutes, from requirements to production.

EDUCATION

Rajasthan Technical University | B.Tech, Computer Science & Engineering 2012

Gold Medal in C Programming (NPTEL) | GATE qualified, 93rd percentile