

# ANKUR SHUKLA

Vice President – Full Stack Engineer | AI-First Architecture & Engineering Leadership

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## PROFESSIONAL SUMMARY

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Technology leader with 12+ years of experience building high-throughput distributed systems and driving AI-first engineering practices at scale. Currently pioneering AI governance frameworks and agentic development workflows at Citibank, leveraging Claude Code, Devin, and spec-driven development to accelerate engineering velocity and quality. Proven record of leading and growing engineering teams, modernizing legacy platforms, and delivering measurable outcomes — from microservices transformations to sub-second trade processing systems. Targeting Staff/Senior Engineer and Engineering Manager roles, with a long-term trajectory toward VP Engineering / CTO.

## CORE COMPETENCIES

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AI-First Microservices Architecture • Spec-Driven Development (Devin) • AI Governance & Adoption • Agentic Workflow Design Engineering Team Leadership & Mentorship • Legacy Modernization • High-Throughput Distributed Systems • Cloud-Native Design (AWS)

## TECHNICAL SKILLS

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**AI Tools & Platforms:** Claude Code, Devin (spec-driven dev), GitHub Copilot, Anthropic API, Eliza (BNY in-house AI)

**Languages & Frameworks:** Java, Spring Boot, Spring Kafka, Spring Security, React, Redux, Tailwind CSS

**Cloud & Infra:** AWS (IAM, S3, RDS, EC2, EBS), Terraform, Ansible, Kafka, Camunda (BPMN), Hybrid/Private Cloud (App Engine)

**Testing:** JUnit5, Mockito, Spock, Groovy

**Practices:** AI-First Microservices, Spec-Driven Development, Engineering Team Management, Agile/Scrum, TDD, CI/CD

## PROFESSIONAL EXPERIENCE

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**Vice President – Full Stack Engineer** | Citibank, Pune

Sep 2025 – Present

Trade Services Team | AI Governance & Agentic Engineering

- Leading and mentoring engineers on the Trade Services platform, fostering an **AI-first engineering culture** and driving adoption of agentic development practices across the team.
- **Architecting AI-first microservices** for Citi's Trade Services platform, designing service boundaries and contracts that natively integrate LLM-powered workflows for document processing and trade validation.
- Established firm-wide **AI governance framework** covering responsible usage policies, model selection criteria, and guardrails for agentic tools including **Claude Code** and **Devin**.
- Pioneered **spec-driven development using Devin**: authoring detailed functional and technical specs that enable AI agents to generate production-grade code, cutting feature delivery time by ~40%.
- Driving **AI adoption and enablement** — running hands-on workshops, creating internal playbooks, and defining best practices for effective AI-assisted development.
- Collaborating with product, risk, and compliance stakeholders to ensure AI tooling meets regulatory and audit requirements in a Tier-1 bank environment.

## Vice President – Full Stack Engineer | BNY India, Pune

Nov 2023 – Sep 2025

Debt Instruments & Client Services | Full Stack, BPMN, Cloud

- Managed and mentored a team of engineers (FTEs and vendor resources), owning delivery, code quality, and professional growth across the team.
- Spearheaded legacy systems modernization initiative, increasing system efficiency by 30%.
- Built '**Signals**' — a full self-service **React** portal for client and issuer debt instrument management; independently ramped up on **React/Redux** on the job and owned end-to-end front-end delivery.
- Designed and implemented **BPMN-based workflow automation using Camunda**, enabling complex business process orchestration with full auditability and operational visibility.
- Hands-on experience with **hybrid and private cloud deployments over App Engine**, bridging on-premise constraints with cloud-native scalability in a regulated banking environment.
- Built AI fluency through BNY's in-house **Eliza AI platform** — mastering prompt engineering, internal AI usage policies, and best practices for integrating AI tooling into engineering workflows.
- Championed unit testing best practices, reducing production bugs by 20%; collaborated with product on strategic roadmap planning.

## Technical Lead | Think Analytics India, Pune

Jun 2023 – Nov 2023

- Led and managed a small team of developers, owning sprint delivery, technical direction, and individual growth.
- Defined technical strategies for complex, ambiguous problems across OTT and media clients; led business development discussions with key stakeholders.
- Drove **Agile/Scrum** adoption, improving sprint predictability and team throughput; conducted technical hiring to expand team expertise.

## Software Engineer / Senior Software Engineer | Think Analytics India, Pune Jun 2017 – Jun 2023

- Engineered systems supporting **1.5M transactions/minute** for major live sporting events on OTT platforms — zero downtime during peak load.
- Built custom search and content-discovery solutions using **Lucene APIs**, deployed across multiple Tier-1 European TV operators.
- Led legacy platform migration from Drools-based architecture to **Spring Boot microservices**, improving maintainability and developer velocity.
- Refactored data ingestion pipelines achieving 50% runtime reduction for key enterprise clients.
- Developed multiple PoCs that secured long-term client partnerships; led onboarding for product-support and QA teams.

## Software Engineer | Amdocs India, Pune

Feb 2014 – May 2017

- Designed and developed product enhancements and bug-fix solutions for telecom clients.
- Managed deployments for Adobe CQ/AEM packages and Oracle ATG-based e-commerce portals.
- Provided L3-level production support ensuring high system availability and reliability.

## EDUCATION

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Post Graduate Diploma in Advanced Computing • CDAC-ACTS, Pune • 2013–2014

B.Tech in Computer Science • U.P.T.U, Lucknow • 2009–2013