MOHIT KUMAR

Director / VP – AI Engineering & Engineering Transformation

Agentic AI & LLM Engineering | AI-First SDLC | AI Platform Architecture | Quality Engineering at Scale
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PROFESSIONAL SUMMARY

Engineering leader with 16 years of experience building enterprise platforms in banking (BFSI) and regulated medical devices, most recently as Senior Vice President, Software Engineering at JPMorgan Chase. Leads AI-first SDLC transformation: architected RAG and multi-agent platforms on AWS Bedrock that automate requirements, test design and release readiness, and drove adoption across 100+ engineers. Pairs hands-on AI architecture with people leadership, P&L ownership and Risk/Compliance partnership to deliver measurable outcomes: 60% faster regression cycles, ~$300K annual savings and zero P1/P2 production defect leakage.

CAREER HIGHLIGHTS

- **AI-first SDLC at scale:** Led horizontal GenAI initiatives adopted by 100+ engineers across product areas at JPMorgan Chase.
- **Agentic AI architecture:** Designed a five-agent system for requirements extraction, code analysis and gap synthesis that auto-generates BDD tests.
- **Business impact:** ~$300K annual savings, 60% shorter regression timelines and 15–20% faster developer turnaround.
- **Leadership & P&L:** Led 20+ engineers on a platform generating ~40% of program revenue; owned a $250K budget.

CORE COMPETENCIES

Agentic AI & Multi-Agent Systems • LLM Engineering & Evaluation • RAG Architecture • AI-First SDLC • AI Platform Architecture • Generative AI (AWS Bedrock) • Responsible AI & Governance • Engineering Transformation • Quality Engineering & Test Automation • Cloud Engineering & DevOps / CI/CD • Engineering Strategy & Org Building • Stakeholder & Executive Alignment

PROFESSIONAL EXPERIENCE

JPMorgan Chase

Bengaluru, India

Senior Vice President, Software Engineering — **Jul 2024 – Nov 2026**

Led AI-native engineering transformation for a customer-facing banking platform generating ~40% of program revenue.

Leadership & Business Impact

- Led a 20+ engineer team with P&L accountability for a $250K budget; drove horizontal AI initiatives adopted by 100+ engineers across product areas.
- Delivered 60% shorter manual regression timelines, 15–20% faster developer turnaround and ~$300K in annual savings.
- Achieved 93% end-to-end automation coverage in lower environments and 100% coverage of production scenarios with zero P1/P2 defect leakage.

AI Platform & Agentic Architecture

- Architected an AI-native requirements engineering platform (RAG, AWS Bedrock, OpenSearch Serverless) automating requirements analysis, user-story generation and acceptance-criteria drafting.
- Built a five-agent system for requirements extraction, code analysis and gap synthesis that generates BDD scenarios (Cucumber, WebDriverIO) to close high-risk production coverage gaps.
- Designed a CI/CD AI agent that parses deployment descriptions and repository metadata to recommend missing tests, cutting manual coverage review by 40%.

LLM Evaluation & Responsible AI

- Introduced LLM evaluation and quality-scoring frameworks for accuracy, groundedness, completeness and hallucination; set reusable AI quality standards across teams.
- Embedded responsible-AI controls (human review, data privacy, auditability) in GenAI workflows in partnership with Risk, Compliance and Security; spoke at JPMC engineering forums on AI-enabled tooling.

Deloitte

Oct 2016 – Jul 2024 · promoted twice

Specialist Master, Product Test Manager — **Jun 2021 – Jul 2024**

- Led quality engineering and digital transformation for a multi-million-dollar product program, introducing shift-left practices and BDD automation (Appium, Selenium, WebDriverIO).
- Built and mentored the QA organization; set program-wide test strategy, harness design and automation standards.
- Owned quality governance in PI Planning: defined Definition of Done and gave final delivery sign-off with Product and Engineering leadership.

Senior Specialist, Automation Solution Architect — **Sep 2018 – May 2021**

- Pioneered Deloitte's first Class 2 Software as a Medical Device (SaMD) automation framework, setting connected-device testing standards for a regulated product under IEC 62304.
- Designed iOS and Android BDD automation (Xamarin UI Test, SpecFlow, Xamarin Test Cloud); served as Scrum Master across Dev, QA and DevOps teams.

Consultant, Engineering Lead – Quality Automation **Oct 2016 – Aug 2018**

- Delivered 200 automated iOS and Android test cases at a 97% execution success rate; defined the Gherkin/SpecFlow BDD strategy aligning Dev and QA standards.

Medtronic

Software Engineering Lead, Test Automation – Medical Devices **Mar 2015 – Sep 2016**

- Engineered Console GUI and Therapy subsystem test frameworks on customized Android platforms covering performance, security and BSP validation (Android CTS); managed functional, integration and regression testing in Polarion.

Earlier Career (2010 – 2015)

Software Engineering Lead, Mobile QA, GlobalLogic Jun 2014 – Feb 2015
Software Test Engineer, Tech Mahindra Jun 2012 – May 2014
Software Engineer, Product Engineer, Avembsys Technologies Jul 2010 – May 2012

Built mobile automation frameworks (Robotium, Selenium, TestNG), performance and REST API testing, and white-box testing (RTRT) for embedded software.

TECHNICAL SKILLS

AI / GenAI: AWS Bedrock, OpenSearch Serverless, RAG, multi-agent orchestration, LLM evaluation (accuracy, groundedness, completeness, hallucination), human-in-the-loop review

Automation & Quality: Cucumber, WebDriverIO, Selenium, Appium, SpecFlow, Xamarin UI Test, BDD/Gherkin, Android CTS, TestNG, JUnit

Delivery & Governance: CI/CD, shift-left quality, SAFe / PI Planning, JIRA, Polarion, IEC 62304, ISO 13485

EDUCATION

B.E., Information Science and Engineering — Acharya Institute of Technology, Bengaluru (2010)

CERTIFICATIONS

- ISO 13485:2016 – Medical Devices Quality Management Systems
- IEC 62304:2006 – Regulatory Requirements for Medical Device Software
- SDET / Test Architect Essentials – Road to Full Stack QA
- Ultimate Guide to Product Design: Design Thinking Approach
- Modern Artificial Intelligence with Zero Coding