

Vivek Shrivastava

Engineering Leader · Builder of AI-Native Platforms · Open-Source Contributor

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PROFILE

Engineering leader with 25+ years across BFSI lending, healthcare SaaS, and big-data platforms. Scaled global engineering orgs from 25 to 125+, shipped petabyte-scale data platforms, and built/evangelised open-source projects (Kundera; Apache Cassandra's first JDBC driver) used by thousands of developers. Currently hands-on with production GenAI and agentic systems — RAG, MCP-based tool use, evals, guardrails, and AI-throughput culture in regulated environments.

- Scaled SaaS engineering orgs 5× while preserving velocity & quality
- Shipped AI features in BFSI: risk scoring, underwriting copilot, agentic flows
- P&L oversight + GTM partnerships with sales / pre-sales
- Architected petabyte-scale, multi-cloud data platforms (AWS / Azure / GCP)
- Open-source author / evangelist · Speaker @ NASSCOM, Fifth Elephant
- Transformed product engg. with AI-native dev workflows & quality gates

CORE STRENGTHS

AI & Agentic Systems	RAG, LLM evals, MCP / tool-use, LangGraph patterns, hallucination & safety incident response, inference cost & latency engineering, AI-coding rollout (Cursor / Claude Code / Copilot), prompt & eval frameworks, vector retrieval (pgvector).
Platform & Cloud	AWS (primary), Azure, GCP · Kubernetes, Docker, serverless · Microservices, low-code PaaS, internal developer platforms, golden paths, observability stack.
Data Engineering	Polyglot NoSQL · Hadoop / Spark / Hive / Kafka · Snowflake, Redshift, Synapse · Teradata, Netezza · ETL / BI · Petabyte-scale warehousing & multi-cloud DW migration.
Engineering Leadership	Org scaling (25→125), levelling & calibration, hiring loops, agile / lean, board-level communication, M&A integration, world-class product-engg. practices.
Domain Depth	Lending / BFSI (RBI Digital Lending), healthcare SaaS (HIPAA-aware), regulated multi-tenant platforms, compliance & risk frameworks.
Stack	Java, MEAN, Python, TypeScript, PostgreSQL, REST / GraphQL, Nginx, Tomcat, DevOps automation.

EXPERIENCE

Vice President, Technology

Biz2X Platforms Pvt Ltd · Noida · Oct 2021 – Present

Global SaaS digital-lending platform serving banks & NBFCs across geographies.

- Scaled engineering org from 25 to 125 across cross-functional global teams; designed levelling, calibration, and hiring loops to sustain velocity at scale.
- Created & scaled the core platform suite — Admin, CRM, LOS, LMS, Collection, Platform Studio, Rule Engine.
- Transformed Biz2X into a low-code PaaS, enabling 100+ internal developers and customers to compose lending products with measurable velocity gains.
- Shipped AI-native capabilities: AI-based loan risk scoring, underwriting copilot / chatbot, GenAI-driven program management over JIRA & Confluence intelligence.
- Drove world-class product-engg. practices — AI-assisted dev workflows, automated quality gates, and design-system enforcement.

Director, R&D

Axtria · Noida · Dec 2020 – Oct 2021

Healthcare & life-sciences SaaS products division.

- Scaled team 4→30 engineers; ramped them on healthcare / HIPAA domain.
- Delivered *CustomerIQ* SaaS in 8 months — web interface, rule engine, and a Next-Best-Action recommendation engine.

Senior Technical Architect

Impetus · Noida · Jul 2013 – Dec 2020

- Envisioned & led Impetus' Unified Data Platform — a four-product suite that converted big-data stores into a modern hybrid-cloud DW.
- Owned engg., architecture, & product management for LeapLogic — automated assessment & migration of legacy DW data / code to cloud, saving customers up to 80% effort.

Technical Architect

Impetus · Noida · Jul 2010 – Jul 2013

- Created Kundera — JPA 2.1-compliant polyglot ORM for NoSQL (MongoDB, Cassandra, HBase, Neo4J, Redis, Elasticsearch). Adopted by a global developer community.
- Built Apache Cassandra's first JDBC driver.
- Led a multi-cloud orchestration product — HA, auto-scaling, DR, security across Rackspace, Terremark, AWS.

Lead Engineer · Impetus

Noida · Jan 2007 – Jan 2010

- Created J2EE / BI products in the ITV domain that contributed to Microsoft's acquisition of the parent product line.

Earlier: *Associate, Perot Systems* (2004–2007) — built Perot's first successful Spring + Hibernate application. · *Software Engineer, CMC Ltd* (2000–2003) — built India's first online counselling system for the UP State Engineering Entrance Exam; automated commercial-tax departments of UP, MP, Chhattisgarh.

PERSONAL ENGINEERING LAB

Ongoing personal multi-site monorepo where I prototype and stress-test the patterns I deploy at work — without exposing any employer IP. Notable experiments:

- 30+ shipped sites on a tier-3 design system (tokens → cluster styles → site overrides) with automated visual-regression auditing.
- MCP-based agent stack — 13+ Model Context Protocol servers (finance, media, travel, video, llm-meta) wired to LLMs for tool-use workflows.
- AI-native quality gates — scripted monitors for design-system, accessibility, file-size, security, debt scoring.
- GenAI dev velocity — agentic content generation, automated SEO / JSON-LD enrichment, scenario-and-test coverage audit pipelines.
- Browser-based AI demos — in-page RAG, agentic sandboxes, embeddings retrieval.

The lab keeps my hands deep in the same primitives I evaluate at scale: agents, evals, vector retrieval, observability, golden-path tooling.

OPEN SOURCE & SPEAKING

- Kundera** — github.com/Impetus/Kundera — author, evangelist, lead architect.
- Apache Cassandra JDBC driver** — first of its kind for Apache Cassandra.
- Speaking** — Fifth Elephant (Bengaluru), NASSCOM Tech Conferences, academic tech talks.
- Trainings** — Conducted org-wide CSM & CSPO agile programmes.

AWARDS

Tech Rockstar — NASSCOM Technology Conference, 2nd Runner-Up · Most Innovative Team Lead (×2) · Most Admired Leader (org-wide) · Outstanding Employee of the Year (Technical Leadership)

EDUCATION

B.Tech., Computer Science — Institute of Engineering & Technology (IET), Lucknow 1996 – 2000
Higher Secondary (PCM) — Delhi Public School, Mathura 1993 – 1995

OUTSIDE THE STACK

— **Ghazal & poetry** — 150+ published works; two books in publication. Performed at major literary festivals. The artistry sharpens my taste, narrative judgment, and presence in board rooms and product critiques.