

Divij Shrivastava

Senior Software Engineer (Director) | Java, Spring Boot & Distributed Systems

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Senior software engineer with 9+ years of experience designing and delivering enterprise financial-services platforms using Java, Spring Boot, Angular, Python, Kafka, Elasticsearch, and relational databases. Experienced in replacing vendor systems, integrating business-critical downstream platforms, and leading cross-functional delivery from architecture through production support. Currently building AI agents and LLM-powered workflows.

EXPERIENCE

Morgan Stanley, Mumbai

Director · January 2025 - Present | **Manager** · August 2021 - December 2024

- Designed and delivered **DWMS**, a real-time equity and fixed-income decision workflow platform serving **20 broker desks** and processing **~50K decisions daily**, replacing a third-party RMS and integrating with **9 downstream systems**, including Aladdin.
- Cut decision turnaround from hours-to-days of manual, email-driven coordination to **minutes**, while saving **~\$300K/year** in vendor licensing (\$15K per seat).
- Owned the platform end to end, from Angular UX and Spring Boot REST APIs to Elasticsearch search, real-time integrations, automated testing, CI/CD, and production observability.
- Created a **spec-driven AI development environment** integrating Jira intake, codebase-aware planning, and build/shipping agents (OpenSpec); adopted by **10 engineers** across two teams, with **50+ stories shipped** and **~30% more Jira stories delivered**.
- Led a **five-engineer team** in designing and delivering **Custom Portfolio**, an ESG analytics platform supporting sustainability projections, portfolio-to-benchmark comparison, and rebalancing workflows.
- Developed Python and REST integrations for **Verity RMS Engagement**, with Autosys scheduling and automated reporting to aggregate ESG engagement data for investment decision-making.

TIAA GBS, Pune - Software Engineer

June 2019 - August 2021

- Developed **UD Prime**, an insurance product lifecycle platform with cart, checkout, and Kafka-backed order-state workflows using Java, Spring Boot, and Angular.
- Migrated millions of XML records from relational stores to MongoDB and decomposed workloads into OpenShift-hosted microservices for scale.
- Automated build and deployment workflows using Jenkins and ElectricFlow, improving release consistency across environments.

TCS, Pune - Software Engineer

March 2017 - June 2019

- Engineered **DG Drive**, a multi-tenant document platform enabling users and client applications to upload receipts and documents and retrieve them through generated identifiers.
- Designed documented REST APIs using Swagger/OpenAPI, with MySQL persistence and Elasticsearch-backed retrieval, enabling clean onboarding for enterprise clients.

SKILLS

Languages: Java, Python, TypeScript, JavaScript, SQL

Backend: Spring Boot, REST APIs, Kafka, microservices

Frontend: Angular

AI: AI agent development, multi-agent workflows, LLM integrations, spec-driven development (OpenSpec)

Data & search: DB2, MySQL, MongoDB, PostgreSQL, Elasticsearch

DevOps & observability: Docker, OpenShift, Jenkins, ElectricFlow, Autosys, Git, CI/CD, monitoring dashboards

Testing: JUnit, integration testing

AWARDS

Tech Showcase Winner, 2023 and 2024

Morgan Stanley - ESG and portfolio tooling.

Performance Award - TIAA

Recognized for exceptional performance and on-time application delivery.

On the Spot Award - TCS

Resolved a client-facing issue by tracing the root cause to invalid database data.

EDUCATION

Shri Ram Institute of Technology, Jabalpur

B.E. · July 2012 - June 2016 · 7.8 CGPA