

Mohit Kumar

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SKILLS

- Utilization of GPT, Copilot, internal AI tooling
- MySQL, PostgreSQL, Redis, Elastic Search
- Kafka, RabbitMQ, Schema Registry
- Swagger, Postman, API Gateway
- Java, Spring Boot, Python, Kafka, Rabbit MQ
- AWS (EC2, S3, MSK, IAM), CI/CD, Agile Methodology
- Object-Oriented/Functional Programming
- Docker, Kubernetes, Jenkins, Nginx

EXPERIENCE

Publicis Sapient | Software Engineer (Galaxy)

Aug 2024- Present

- Worked with Galaxy Digital (Hong Kong) leading the **platform-wide transition from EC2 to Kubernetes (EKS)**, crafting a three-phase, dependency-aware rollout plan that enforced DRY principles, ensured service continuity, and improved deployment agility across all environments.
- Designed and deployed a **Kafka re-publisher with rollback support**, enabling message replay and seamless fallback from AWS MSK to Confluent Cloud, de-risking the migration while significantly optimizing operational costs.
- Developed a **consumer-first bridge architecture** to decouple RabbitMQ from core pricing and trading systems, using Kafka as a backbone. The solution improved system resilience and prevented critical failures that previously halted pricing updates.
- Engineered a secure, API-driven system for **programmatic asset transfers** across Fireblocks vaults, exchanges, and on-prem custody, replacing high-risk manual flows for **multi-million-dollar daily transactions**.
- Strengthened data security posture by enforcing **object-level DB access controls** and implementing **automated credential rotation**, aligning with internal security policies and institutional compliance.

Pine Labs | Software Engineer

Jun 2024- Aug 2024

- Designed and launched Flexi Credit**, a merchant-exclusive loan product disbursing over **₹15 Cr/month** across 85,000+ merchants, enabling instant credit up to ₹5L per merchant.
- Reduced merchant onboarding time by **99.1%** via high-throughput **Kafka-based whitelisting** with caching and multithreading.
- Built **lender integrations** with HDFC, ICICI, Kotak, and others for BNPL and lending products, enabling personalized financing options across partner platforms.
- Architected Apple Pay Later backend lending workflows** in partnership with HDFC Bank, including eligibility, approval, and disbursement logic.
- Implemented **AML and FRM systems** to detect and prevent fraudulent transactions, improving trust and regulatory alignment.
- Drove platform reliability by implementing **Circuit Breaker patterns and distributed tracing** via Open Telemetry.
- Led automation of internal workflows to minimize inter-team dependencies and improve delivery velocity.
- Improved code **health and observability** by integrating SonarQube for static analysis and Grafana for performance monitoring.

Adda247 | Software Developer

Mar 2021- Mar 2022

- Developed a **common-consumption module** to stabilize traffic spikes during live course launches, preventing downtime and ensuring seamless content delivery at scale.
- Implemented a **multi-layer caching strategy** using CloudFront and Redis, reducing **P90 API latency from 800ms to 150ms** and decreasing database load by approximately **70% during peak traffic**.
- Led backend integration for the acquired **Study IQ** platform by designing unified data models and APIs, enabling centralized revenue tracking and consolidated financial reporting.
- Engineered **multi-validity and multilingual course packages**, expanding user access across regional languages and simplifying course lifecycle management for internal teams.
- Refactored performance-critical backend components and **resolved long-standing production issues**, significantly reducing crash frequency and enhancing platform stability.

EDUCATION

Bachelor of Technology: Computer Science Engineering

Guru Gobind Singh Indraprastha University | CGPA: 8.24/10

Jun 2021