Manish Kumar

Software Developer Engineer - II (Full-Stack)

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PROFESSIONAL EXPERIENCE

Nike   03/2025 – present | Bengaluru, India
Software Development Engineer II – Nike (CXP)

- **Designed and developed core microservices** for Nike's CXP, enabling event discovery and registration on Nike.com and the Nike App, supporting over 25M+ monthly users globally and reducing latency by 40%.
- **Architected a secure shim layer** enabling **JWT-based authentication** between Nike platforms and third-party vendor (Eventtia), reducing integration overhead by 60% while strengthening API security.
- **Rolled out multi-region deployment architecture** via S3, Secrets Manager, and environment profiling, **improving deployment reliability** across 2(US/EU) regions.
- **Streamlined real-time CDN cache invalidation** workflows by integrating **Kafka/SQS triggers with Akamai API**, cutting content refresh time by 70%.
- **Devised modular microservices architecture** using **Kafka and Redis**, accelerating throughput and slashing response times by 35% for 10M+ daily event requests.
- Deployed **Dockerized services via AWS ECS** using sidecar pattern, boosting observability by 50% and cutting **mean-time-to-detect (MTTD)** by 30% through **SignalFx** log streaming.
- Automated secure API key lifecycle via **AWS Secrets Manager** with hourly refresh, eliminating manual key rotations and reducing potential credential leaks by 80%.
- Championed **clean architecture adoption** (Strategy/Mapper patterns), **improving modularity and reducing integration defects** by 45% across 4 cross-functional teams.
- Spearheaded observability upgrades by **configuring SignalFx sidecars**, increasing log accuracy by 60% and **accelerating incident resolution** by 25%.
- Delivered **Docker-based parity environments using Docker images**, decreasing environment-specific bugs by 70% and **improving local test** confidence across 15+ developer machines.
- **Key Technologies** → Java 17, Spring Boot, WebFlux, AWS ECS, Docker, Kafka, Jenkins, SignalFx, Terraform, JWT, Akamai, REST APIs

Samsung India   Bengaluru, India
Senior Software Engineer

- **Designed and implemented RESTful APIs** integrated with front-end systems, achieving a **25% reduction in API response times**.
- **Developed in-house analysis tools**, reducing external dependencies and **annual cost savings of $70,000**.
- **Implemented API rate-limiting mechanisms** to prevent abuse and ensure **reliable service availability**.
- Improved **sequential read/write speeds by 8%** and **random read/write speeds by 5%** in telemetry data handling.
- **Increased unit test coverage from 36% to 60%**, enhancing **code reliability and reducing production bugs**.
- **Actively contributed to Agile processes**, including daily stand-ups and sprint planning, ensuring **on-time delivery** of high-impact features.

EDUCATION

Jadavpur University   07/2017 – 04/2021 | Kolkata, India
Bachelor Of Engineering in Information Technology
Coursework: Data Structure and Algorithm, Object Oriented Programming (OOPs), Databases and SQL , Operating System, Network System, Web Development, Distributed Systems

SKILLS

Programming Languages: Java, JavaScript, C++

Web Frameworks: Spring Boot , NodeJS, React.js, Redux, REST API, Microservices, JWT Authentication

Databases & Caching: MySQL, Postgres, DynamoDB, MongoDB ,RDS , Redis, S3-backed TTL Cache

DevOps & Infrastructure: Docker, AWS ECS, S3, Secrets Manager, CloudWatch, Jenkins, SignalFx, Akamai CDN