

Vikash Kumar

Software Engineer

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PROFESSIONAL EXPERIENCE

Software Engineer (Platform Engineering) at Temple 03/2026 – Present

- Designed and built a Release Management Platform in Go, PostgreSQL, and Temporal to orchestrate firmware rollouts supporting scheduled and progressive deployments, rollback orchestration, durable workflows, and policy-driven automatic promotion or rejection based on adoption and baseline error metrics.
- Built a GitOps-driven Observability Platform that continuously discovers AWS infrastructure and automatically provisions standardized Datadog monitors and PagerDuty integrations, eliminating manual alert onboarding.
- Designed a declarative configuration framework enabling service owners to customize alert thresholds, notification routing, escalation policies, tags and monitor definitions through pull requests while preserving organization-wide defaults.

Software Engineer(II) at Zomato 08/2024 – 03/2026

- Architected configurable Brand Onboarding and Taxation platforms**, enabling rapid onboarding of new brands and Lines of Business (District Events, Activities, Play) through reusable business rules and shared platform capabilities.
- Designed and optimized backend systems powering District Events, Activities, and Play**, including checkout, inventory, seat booking, and merchant payout workflows, reducing checkout **p99 latency from 1 s to 200 ms** while supporting **100K RPM**.
- Designed scalable backend architecture** for Buy Now Pay Later, and the Play line of business, emphasizing reusable services, seamless integration with the existing platform, and long-term extensibility.
- Optimized a latency-critical API** powering homepage of events page from **200K RPM to 4M RPM** through local caching, payload optimization, and request path simplification, significantly improving throughput and reducing infrastructure overhead.
- Executed a zero-downtime MongoDB 6→8 cluster upgrade** using a canary deployment strategy, ensuring uninterrupted production traffic during migration.
- Automated and optimized internal event operations tooling**, reducing manual intervention and improving booking operations during high-demand events such as the IPL.

Software Engineer at Paytm 07/2023 – 08/2024

- Successfully managed traffic of 300K - 400K during IPL ticket booking using queue ticketing.
- Paginated Paytm Insider tickets page improved latency by 4X.
- Migrated database migration library.
- Migrated database from mongodb 5.x to mongodb 6.x.

Software Engineer at BYJU'S 06/2022 – 07/2023

- Built an event-driven communication platform using **AWS SQS** to orchestrate SMS, WhatsApp, Email, and IVR notifications for students and teachers, increasing student engagement by **60%**.
- Led the migration from **Salesforce** to **LeadSquared**, saving over **\$100K annually**, and developed two-way synchronization APIs to maintain consistent student and lead data across platforms.
- Improved backend performance and reliability by optimizing ReportCard APIs with caching and lazy loading, reducing load times by **50%** and API errors by **95%**.

SKILLS

Programming Languages — Go, JavaScript, C/C++, Python • **Databases** — PostgreSQL, MongoDB, DynamoDB, Clickhouse, Redis • **Cloud** — AWS ECS, EC2, Athena, Glue, SQS, SNS, Lambda, S3, EventBridge • **Platform** — Kafka, Flink, Redash, Temporal, Docker, Linux, Git • **Observability** — Grafana, Prometheus, Datadog, Otel

LEADERSHIP EXPERIENCE

President, Mentor at Anokhi Pehel, Non-Profit Organisation 2018 – present

- Over 500 students have benefited from Anokhi Pehel so far and counting.
- Developed and executed a comprehensive plan to promote Antyodaya, resulting in a record-breaking attendance of 1100 students from 50 schools across the city.

EDUCATION

B.Tech, Motilal Nehru National Institute of Technology Allahabad 2018 – 2022