

VISHAL KUMAR

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Experience

Software Engineer | *Atlan*

Nov 2024 – Present

Bengaluru, Karnataka, India — Platform Services (Infrastructure & Reliability)

- Architected and launched a centralized configuration orchestration system for a **multi-tenant production platform**, eliminating migration-related P0 outages and stabilizing tenant configuration management.
- Executed large-scale PostgreSQL migration to **CloudNativePG**, safely migrating **600+ production tenants** with zero data loss and no downtime via automated verification, retry mechanisms, and migration observability dashboards.
- Designed and productionized **Temporal-based workflow infrastructure** enabling reliable orchestration of critical platform operations (database backups, state remediation, and background services).
- Owned **production on-call responsibilities**, debugging and resolving customer-impacting platform incidents and improving operational reliability.
- Migrated the **Lineage Generator** from legacy Argo workflows to the new platform orchestration, improving reliability and decoupling application workloads from deployment infrastructure.
- Built internal developer tooling (**AI-enabled investigation utilities**, CLI tools, and CI/CD guardrails) and strengthened observability and release safety checks, enabling faster debugging and improved engineering productivity.

Software Engineer | *OpeninApp — Listed Inc*

Feb 2024 – Nov 2024

Bengaluru, Karnataka, India — Backend Team

- Built backend services for a creator monetization platform serving **500K+ users** using Node.js, MySQL, Redis, and RabbitMQ.
- Implemented asynchronous job processing with **RabbitMQ** and caching with **Redis**, improving API responsiveness and reducing database load.
- Contributed to scalable data and analytics pipelines using Kafka, Trino, and object storage (MinIO).

Founding Software Engineer — Intern | *Relecture*

Apr 2021 – Apr 2023

Remote, India

- Early engineer responsible for designing and building the product from scratch, including backend architecture, database schema, deployment infrastructure, and CI/CD workflows.
- Optimized AWS infrastructure and integrations (Stripe, S3), reducing operational cost by **80%** through resource consolidation and serverless deployment.

Technical Skills

Languages: Go, TypeScript/JavaScript (Node.js), Python, SQL, C/C++

Backend: REST APIs, Microservices, Express, Fastify, tRPC, Go-Echo

Databases & Storage: PostgreSQL, MySQL, Redis, S3/MinIO, Sequelize

Distributed Systems: RabbitMQ, Kafka, Temporal, Asynchronous Processing, Caching, Multi-tenant Systems

Infrastructure: Docker, Kubernetes, Helm, CI/CD, GitHub Actions, Linux, AWS

Observability: OpenTelemetry, Grafana, Distributed Tracing, Metrics, Alerting, Production Debugging

Projects

Itelcotech LMS | itelcotech.com

2023

- Developed a production learning platform integrating **Next.js**, **Sanity CMS**, and **Stripe** for course management and payments.
- Designed analytics tracking and backend workflows to monitor user behavior and platform usage.

Additional personal and experimental projects available at: vishalx360.dev

Education

NSHM Knowledge Campus Durgapur

2020 - 2024

Bachelor of Technology in Computer Science Engineering

GPA: 8.9/10.0

Awards & Community

Hackathon Awards: **First Place** – Best Use of Google Cloud Platform (Atlassian Hack@Home); **Global Finalist** – GHH COVID-19 Fund Hackathon; Top 15 Globally – HackRPI. Won multiple prizes across MLH events (Hacks & Crafts, Data Day Grind, Lights Camera Hackation, RALLYtoUS).

Open Source & Community: **Google Code-in Volunteer** (2018–2019); Active member of Google Developer Groups (Bangalore, Kolkata, Durgapur) and K8s Bangalore community.