

# Kushagra Manoj Gupta

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## EXPERIENCE

### CLEARTAX | SENIOR SOFTWARE DEVELOPER

Sept 2023 – Present | Bengaluru, India

- Architected and optimized GSTIN search using Elasticsearch, reducing latency and improving revenue.
- Developed a distributed load balancer (Redis + Lua) for efficient traffic routing and scalability.
- Built fault-tolerant PAN verification APIs for major clients like Meesho, Blinkit, and Flipkart.
- Migrated the search engine from Typesense to Elasticsearch, improving performance and resolving split-brain issues.
- Increased test coverage from 70
- Integrated InfluxDB for time-series metrics, visualized on Grafana for real-time monitoring.
- Designed a GSTIN verification report callback system using AWS Lambda, SQS, and webhooks, ensuring reliable OTP verification.
- Developed sync and async orchestration APIs for Airtel GSTIN deep detail fetch using Temporal, caching results in MongoDB and Redis.
- Conducted peer code reviews and participated in system design discussions for scalability and fault tolerance.
- Collaborated with product managers and client teams, ensuring high-quality software development following Agile methodologies.

### DUNZO | SOFTWARE ENGINEER

Aug 2022 – Sep 2023 | Bengaluru, India

- Designed and optimized payment orchestration workflows, integrating QR code and UPI Intent payments (Juspay, Razorpay) and supporting multi-payment methods (COD, LazyPay, CRED).
- Automated Juspay SDK transactions and optimized AOV widgets for coupons, reducing store page latency and improving user experience.
- Resolved critical Payment Interface (PI) issues, provided on-call support for payments and checkout failures, and collaborated with client teams to maintain system reliability.
- Worked in an Agile (Scrum/Kanban) environment, optimizing database queries and ensuring seamless financial transaction scalability.

### HASHEDIN BY DELOITTE | SOFTWARE DEVELOPER

Apr 2021 – Aug 2022 | Bengaluru, India

- Developed and maintained full-stack features with React.js frontend and Django backend, optimizing GraphQL APIs for real-time data processing.
- Designed and implemented scalable database schemas, integrating data pipelines across PostgreSQL, Redis, and MongoDB.
- Led backend engineering for HiBridge, managing Scrum planning, test automation, CI/CD pipeline integration, and peer code reviews to ensure best practices.
- Spearheaded microservices development and API integrations, collaborating with cross-functional teams to enhance system efficiency and maintainability.

## EDUCATION

### PRANVEER SINGH INSTITUTE OF TECHNOLOGY (PSIT), KANPUR

B.TECH IN COMPUTER SCIENCE

2017 – 2021 | Kanpur, India

## SKILLS

### PROGRAMMING

Java • Python • C++ • Golang • Lua • JavaScript

### TECHNOLOGIES

**Backend Databases:** Microservices • REST • GraphQL • PostgreSQL • Redis • MongoDB (Advanced Aggregations) • InfluxDB • Elasticsearch

**Frontend:** React.js • Express.js

**Cloud DevOps:** AWS Lambda • SQS • Docker • Kubernetes • CI/CD Pipelines

**Monitoring Logging:** Grafana • Performance Optimization • Distributed Systems

**Other Tools:** Git/GitHub • Temporal • Webhooks • Callbacks

## ACHIEVEMENT

Qualifier at Facebook HackerCup 2020.

4478 rank in Google KickStart Round F.

69 rank in Scaler Edge All India Contest.

HackerRank 6 star coder in Problem Solving.

HackerRank 5 star coder in Python.

HackerRank 5 star coder in 10 Days of Statistics.

HackerRank 4 star coder in Java.

## LINKS

[linkedin.com/in/kushagra-manoj-gupta](https://linkedin.com/in/kushagra-manoj-gupta)