Mohit Kumar

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SUMMARY

Backend-Focused Software Engineer with 1.5 years of experience building scalable backend systems, REST APIs, and distributed architectures using Python, Node.js, TypeScript, PostgreSQL, MongoDB, and Redis. Experienced in API integration, authentication systems, background processing, and cloud-native deployments. Currently building AI applications with LLMs, Retrieval-Augmented Generation (RAG), vector databases, and workflow orchestration while applying software engineering best practices to scalable AI systems.

SKILLS

Languages: Python, JavaScript, TypeScript,
Backend: Node.js, Express.js, REST API Design, Authentication & Authorization
AI: Large Language Models(LLms), Retrieval-Augmented Generation(RAG), Prompt Engineering, Embeddings, Vector Databases, AI API Integration, LangChain, OpenAI APIs,
Distributed Systems: Workflow Orchestration, Queue-Based Processing, BullMQ, Background Job Processing, Worker Architecture, Cron Jobs
Databases & Caching: MongoDB, PostgreSQL, Redis, Aggregation Pipelines, Query Optimization, Caching Strategies
DevOps & Infrastructure: Docker, GitHub Actions (CI/CD), Traefik, Linux, VPS Deployment, Nginx
Tools: Git, Postman, Requestly

EXPERIENCE

Backend Developer

Zevnix AI Pvt Ltd - Indrapuram, Ghaziabad *May 2025 - Jan 2026*

Internal Backend Infrastructure

- Designed a **queue-based processing architecture** using **BullMQ** and **Redis** for asynchronous background processing.
- Built distributed **worker services** with retry mechanisms and failure recovery for reliable task execution.
- Developed REST APIs for **job scheduling**, **execution monitoring**, and **workflow orchestration**..
- Optimized concurrency and system reliability, reducing operational costs by **90%** through an internally developed backend platform.

Vendors.Evanik.ai —Vendor Commerce Platform

- Developed scalable backend services for a **vendor-oriented eCommerce platform** integrating **Amazon SP-API** and other marketplace services.
- Designed and implemented APIs for **inventory**, **orders**, **reporting**, and **vendor management**.
- Optimized backend performance using **MongoDB aggregation pipelines** and **Redis caching**.
- Designed backend integrations supporting multi-vendor and multi-marketplace operations.

Backend Developer

BCloud Web Service Pvt. Ltd. - Sector 63, Noida *July 2024 - Dec 2024*

- Developed and maintained backend services for an eCommerce platform supporting customer applications, web, and admin panel.

- Built and enhanced REST APIs using Node.js, Express.js, and MongoDB.
- Integrated third-party services including payment gateways, notifications, and external APIs.
- Implemented product, order, inventory, and user management features while ensuring data consistency across multiple applications.
- Diagnosed and resolved production issues, improving application stability and API reliability.
- Collaborated with frontend and mobile developers to deliver new features and maintain production systems.

PROJECTS

Zen - **OAuth 2.1 & OpenID Connect Identity Platform**

- Built an OAuth 2.1 and **OpenID Connect identity platform** using Node.js, TypeScript, PostgreSQL, Redis, and Next.js.
- Implemented **Authorization Code with PKCE, Refresh Tokens, Client Credentials, JWT signing, JWKS, and OpenID Provider Configuration**.
- Designed a modular monorepo architecture with client registration, consent flows, session management, and secure token issuance.
- Containerized the platform and automated CI/CD deployments to a Linux VPS using Docker, GitHub Actions, and Traefik.

Reflecto - **Real-Time Polling & Analytics Platform**

- Built a **real-time polling platform** using Node.js, Express.js, MongoDB, React, and Socket.IO.
- Implemented **authenticated and anonymous voting** with **WebSocket-based** live result synchronization.
- Developed secure **REST APIs** for poll management, voting, user authentication, and analytics.
- Designed **real-time analytics dashboards** with vote aggregation, response tracking, and engagement insights.
- Built features including **poll scheduling**, **expiration**, **visibility controls**, **QR code sharing**, and **shareable poll links**.
- Containerized the application with **Docker** and deployed it to a self-managed VPS using GitHub Actions and Traefik.

FREELANCE WORK

Chadhava Foundation

- Developed and deployed a responsive website for a non-profit organization using Next.js.
- Built reusable UI components and optimized the website for performance and accessibility.
- Configured deployment and production hosting.

EDUCATION

B.Tech in Electronics & Communication Engineering *Nov 2020 - June 2024*
Greater Noida Institute of Technology(GNIOT) *Greater Noida,Uttar Pradesh*

Senior Secondary (Class XII) *Oct 2020*
O.I.P.V Kesarbagh kharia(BBOSE Board) *Jehanabad,Bihar*

Secondary (Class X) *May 2017*
Jesus And Mary Academy(CISCE Board) *Patna city,Bihar*