

Prince Kumar

Senior Software Engineer / Backend

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SUMMARY

Backend engineer with 6.5+ years building and scaling systems for fintech, supply chain, and proptech companies. My core stack is Node.js, TypeScript, PostgreSQL, MongoDB, Redis, Kafka, Docker, and Kubernetes. I have led engineering teams and owned architecture, roadmaps, production reliability, and incident response, and I build PCI DSS-compliant, high-throughput systems while mentoring engineers through hiring and growth.

PROFESSIONAL EXPERIENCE

Senior Software Engineer · ZenKoder

Remote, IN · Feb 2025 – Present

- ▶ Lead 3 engineers across 3 projects building Blackpoint's billing and account infrastructure (Node.js, MongoDB, PostgreSQL, Kubernetes), which powers 80+ MSP partners and about \$6–7M in annual recurring revenue.
- ▶ Built the Pax8 and ConnectWise integrations that let MSPs bill end users, plus 5 more security partner integrations (Bitdefender, CyberCNS, Cisco Umbrella) that expanded billable services across those 80+ MSP partners.
- ▶ Cut mean time to recovery from ~6h to ~2–3h with alerting dashboards and centralized logging in Prometheus and Grafana.
- ▶ Run on-call incident response in OpsGenie, triaging production issues, proposing fixes, and coordinating resolution with dependent services and business teams.

Career break · Jul 2024 – Feb 2025 (job search, family)

Senior Software Engineer · CapGrid

Gurugram, IN · May 2023 – Jul 2024 (role cut in layoffs)

- ▶ Led 7 projects with a team of 5 engineers, and designed and deployed a cross-functional inventory optimization tool that cut excess inventory by 15%.
- ▶ Ran competitive RFQs that lowered supplier pricing by 20–25%.
- ▶ Built a portal that connects clients and suppliers to the ERP infrastructure.
- ▶ Shipped an LLM-powered analytics tool on ClickHouse so the business team could query data in natural language, which cut time to insight from days to minutes.
- ▶ Improved code quality across the team through code reviews and mentorship, and ran first-round technical interviews for engineering hires.

Software Engineer · IXFI

Ahmedabad, Gujarat · May 2022 – Mar 2023 (company shut down)

- ▶ Hardened core services with input sanitization and NoSQL injection prevention, and brought them into PCI DSS compliance.
- ▶ Grew users from 30K to 200K by shipping referral, reward points, and gamification features: a real-time rewards/coins leaderboard on Redis, a ticketing system, contact management, and a 2FA removal workflow.
- ▶ Redesigned the WebSocket architecture to scale horizontally across a multi-node cluster. Connection handling is decoupled from message fan-out with Redis Pub/Sub, so the socket layer scales out while preserving per-connection state and message ordering.
- ▶ Scaled market data and real-time delivery: moved data into TimescaleDB for accurate OHLC charts, and optimized APIs with atomic/idempotent code, caching, indexing, and schema versioning for smoother migrations.

Software Engineer (Contract) · Hyblock Capital (Diverse Lynx)

Noida, Uttar Pradesh · Dec 2020 – May 2022

- ▶ Built 20–30 crypto market indicators that stream through a Node.js socket client to Kafka for real-time analytics.
- ▶ Built an automated trading engine on the Bybit API that acts on Hyblock indicators in real time, with monitoring for execution latency and reliability.
- ▶ Added monitoring for the WebSocket layer: concurrent connections, messages/sec, p95 delivery latency, reconnects, and error rate.
- ▶ Added caching that cut historical data query latency and reduced database load on the real-time analytics pipeline.

Full Stack Developer · FindMyCoWork

Noida, Uttar Pradesh · Jun 2019 – Jul 2020 (project ended during COVID)

- ▶ Built the proptech platform findmycowork.com on Node/Express with EJS, where users book, manage, and sell coworking spaces.
- ▶ Built the reservation management system (RMS), shopping filters, an online property e-commerce flow, and a mailing system.

PROJECTS

Torek (torek.app), Founder and solo full-stack

2026 · AI interview-coaching platform

- ▶ Built torek.app, an AI interview-coaching side project with guided practice rooms for coding, behavioral, and system design. It gives AI hints and retrieval-grounded answers over a curated corpus, and is deployed across 3 Vercel services.
- ▶ Backend is Node/TypeScript with PostgreSQL and Redis, Google OAuth (PKCE, AES-GCM-encrypted tokens), and RAG over Gemini embeddings with similarity search, plus tolerant LLM JSON parsing for flaky model responses. Frontend is React/Vite, with GitHub Actions CI.

TECHNICAL SKILLS

Stack:	Node.js, TypeScript, JavaScript, SQL, Express.js, Socket.io, React
Data:	PostgreSQL (incl. TimescaleDB), ClickHouse, MongoDB, Redis, Kafka, Redis Pub/Sub, Caching
AI & LLM:	RAG & vector search (pgvector), Gemini / OpenAI LLM APIs, tolerant LLM JSON parsing, AI-assisted delivery
Architecture:	Microservices, Event-Driven Architecture, WebSockets, Rate Limiting, Idempotent & Atomic APIs, System Design
Infra & Ops:	AWS, Docker, Kubernetes, CI/CD, GitHub Actions, Prometheus, Grafana, OpsGenie, Centralized Logging
Security:	OWASP, PCI DSS, Input Sanitization, NoSQL Injection Prevention

EDUCATION

B.Tech – Computer Science & Engineering

University School of Information and Communication Technology (GGSIPU), Delhi