

PRINCE

Senior Software Engineer

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SUMMARY

Senior Software Engineer with 6.5+ years designing and scaling backend systems across fintech, supply chain, and proptech. Core stack: Node.js, TypeScript, PostgreSQL, MongoDB, Redis, Kafka, Docker, and Kubernetes. Led teams of 3–5 engineers and owned architecture decisions, roadmap, production reliability, and incident response end-to-end. Cut excess inventory by 15%, lifted supplier margins 20–25%, cut MTTR from ~6h to 2–3h, and grew users from 30K to 200K — while shipping PCI DSS-compliant, high-throughput systems and mentoring engineers through hiring and growth. Applies first-principles thinking to match architecture to the business problem.

PROFESSIONAL EXPERIENCE

Senior Software Engineer (Contractor) · ZenKoder

Remote, IN · Feb 2025 – Present

- Lead a team of 3 engineers across 3 projects building billing and account infrastructure for **Blackpoint** (Node.js, MongoDB, PostgreSQL, Kubernetes) — powering 80+ MSP partners and ~\$6–7M annual recurring revenue.
- Built Pax8 and ConnectWise integrations enabling MSPs to bill end users end-to-end, plus 5 security-ecosystem partner integrations (Bitdefender, CyberCNS, Cisco Umbrella) that expanded billable services across 80+ MSP partners.
- Cut mean time to recovery from ~6h to ~2–3h via alerting dashboards and centralized logging (Prometheus/Grafana) for proactive system monitoring.
- Lead on-call incident response via OpsGenie — triaging production issues, proposing fixes, and coordinating resolution with dependent services and business teams.

Senior Software Engineer · CapGrid

Gurugram, IN · May 2023 – Jul 2024

- Led product development of 7 projects with a team of 5 engineers — designed and deployed a cross-functional inventory optimization tool that cut excess inventory by 15%.
- Drove margin growth by issuing competitive RFQs that lowered supplier pricing 20–25%.
- Built an integrated portal connecting clients and suppliers to the ERP infrastructure, improving supply chain operations end-to-end.
- Shipped an LLM-powered analytics tool on ClickHouse that let the business team query data in natural language for real-time insights, cutting time-to-insight from days to minutes.
- Raised team-wide code quality through rigorous code reviews, hands-on mentorship, and first-round technical interviews for engineering hires.

Software Engineer · IXFI

Ahmedabad, Gujarat · May 2022 – Mar 2023

- Shipped security hardening across core services — input sanitization, NoSQL injection prevention, and PCI DSS compliance.
- Grew users from 30K to 200K by shipping referral, reward-points, and gamification features — a real-time rewards/coins leaderboard (Redis), a ticketing system, contact management, and a 2FA-removal workflow.
- Redesigned the WebSocket architecture to scale horizontally across a multi-node cluster — decoupled connection handling from message fan-out via Redis Pub/Sub, letting the socket layer scale out across nodes while preserving per-connection state and message ordering.
- Scaled market data and real-time delivery: transformed data into TimescaleDB for accurate OHLC charts, and optimized APIs with atomic/idempotent code, advanced caching, and indexing plus schema versioning for seamless migrations.

Software Engineer · Hyblock Capital (Diverse Lynx)

Noida, Uttar Pradesh · Dec 2020 – May 2022

- Developed 20–30 crypto market indicators streaming through a Node.js socket client to Kafka for real-time analytics.
- Built an automated trading engine using Bybit APIs that executes on Hyblock indicators in real time, with monitoring for execution latency and reliability.
- Built monitoring for the WebSocket layer — tracked concurrent connections, messages/sec, p95 delivery latency, reconnects, and error rate.
- Engineered caching mechanisms that cut historical data-query latency and reduced DB load for the real-time analytics pipeline.

Full Stack Developer · FindMyCoWork

Noida, Uttar Pradesh · Jun 2019 – Jul 2020

- Spearheaded development of the proptech platform findmycowork.com, enabling users to book, manage, and sell coworking spaces.
- Built a robust Reservation Management System (RMS), advanced shopping filters, an integrated online property e-commerce platform, and a responsive mailing system.

Trainee · Bharat Electronics

Bengaluru, IN · Dec 2018 – Feb 2019

- Contributed to the national Marine Domain Awareness–Decision Support System project for the Indian Navy.

TECHNICAL SKILLS

Languages:	Node.js, JavaScript, TypeScript, SQL
Frameworks:	Express.js, Socket.io, React
Data Stores:	PostgreSQL (incl. TimescaleDB), ClickHouse, MongoDB, Redis
Streaming & Caching:	Kafka, Redis Pub/Sub, Caching
Architecture:	Microservices, Event-Driven Architecture, WebSockets, Rate Limiting, Idempotent & Atomic APIs, System Design
Cloud & DevOps:	AWS, Docker, Kubernetes, CI/CD
Observability:	Prometheus, Grafana dashboards, 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