

VINAY CHANDOLA

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in <https://www.linkedin.com/in/vinay-chandola> ○ <https://github.com/Hero-debug-cloud>

Education

Dehradun Institute of Technology, Dehradun, India

August 2020 - June 2024

Bachelor of Technology in Computer Science and Engineering with Specialization in Full Stack

CGPA: 8.23

Experience

Software Engineer : Zethic Technologies Pvt Ltd (Bengaluru)

Sept 2025 – Present

- Architected a life-safety real-time incident command pipeline delivering a measured sub-3-second SLA, powered by a transactionally-enforced state machine, TimescaleDB telemetry, dual-audience WebSockets, and a zero-re-render imperative React live-map tracking hundreds of operatives.
- Engineered a scalable event-driven fleet management platform using NestJS, Kafka, and Redis, processing thousands of real-time telematics events and order broadcasts daily with <50ms latency via Socket.io.
- Architected secure, high-throughput backend services for a major private sector bank using Golang and PostgreSQL, optimizing complex queries and enforcing granular Role-Based Access Control (RBAC) for sensitive financial data.
- Delivered a production-grade HR platform (Next.js, TypeScript) with Google Calendar OAuth scheduling, AWS S3 multipart uploads, and Dockerized CI/CD via Coolify — backed by a race-condition-free payroll and wallet engine built on BullMQ with optimistic locking to guarantee 100% transaction accuracy.

Software Engineer : Aspridotech Solutions Pvt Ltd (Bengaluru)

June 2025 - Aug 2025

- Engineered a real-time money transaction system using the Lightspeed gateway, processing Rs. 10K+ daily for 5,000+ users with a 99.8% success rate.
- Increased user engagement by 85% by building an intelligent Ludo bot and live multiplayer game on a Node.js/MongoDB backend, achieving j50ms latency for 100+ concurrent players via Socket.io and a Redis pub/sub architecture.
- Cut manual tasks by 80% and boosted system performance by 60% by building a responsive admin panel (Next.js, Tailwind) with 15+ optimized database queries.
- Architected a scalable AWS infrastructure with EC2, a 3-tier environment (Prod/Staging/Dev), and Dockerized deployments, cutting deployment time by 75% and enabling 20+ zero-downtime daily releases via a CI/CD pipeline.

Software Engineer : Soulgenix Technologies Pvt Ltd, Bengaluru

Jan 2024 - March 2025

Promoted from Software Intern after a 6-month tenure.

- Scaled high-performance Node.js/Express REST APIs to serve over 4M+ daily requests, maintaining 99.9% system uptime via New Relic monitoring.
- Slashed average API latency by 30% by optimizing complex cross-database queries (MongoDB, Neo4j) and implementing Redis caching (Cache-Aside and Proactive-Invalidation).
- Designed and launched a graph-based recommendation system using Neo4j, driving a 35% increase in platform engagement across 300k+ users.
- Delivered core platform features, including an explore section and global leaderboards for 50+ games, contributing to achieving 50k DAU.
- Engineered an automated Python web scraping pipeline boosting dataset completeness by 90%, and architected efficient MongoDB aggregation pipelines that cut bulk data processing response times from 2 seconds to under 100ms.
- Built and deployed a full-stack internal admin panel (React, Node.js) to automate operational workflows, reducing manual tasks by 50%.

Full Stack Developer Intern : Krinext (Remote)

June 2023 - Dec 2023

- Architected and developed a full-stack, real-time communication system using the MERN stack and Socket.io, implementing features like live chat, presence indicators, and group management for a robust, scalable user experience.
- Integrated ChatGPT and AI tools to pioneer an automated system that generates personalized assignments based on user preferences, enhancing user engagement.

Full Stack Developer : Freelance (Remote)

Jan 2023 - June 2023

- Developed a diverse portfolio of full-stack applications, including job portals, dashboards, and mobile e-commerce stores, using React, Node.js, PostgreSQL, and React Native to create scalable, user-centric solutions.
- Engineered critical features such as secure payment integrations, real-time notifications, advanced search filters, and interactive data visualizations while managing application state with Redux for a seamless user experience.