Varun Hotani

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EDUCATION

Ahmedabad University | Ahmedabad, Gujurat
Bachelor of Technology in Computer Science | *August 2024 – May 2028*

Vedant International School | Ahmedabad
High School | *Aug 2022 – May 2024*

EXPERIENCE

Backend & DevOps Engineer | August 2025 - Present
DynTech — Remote

- Built scalable trading infrastructure with MT5 integration, high-frequency APIs, NestJS services, and realtime WebSocket streaming
- Designed a gRPC + Kafka **event-driven microservices architecture** using NestJS, PostgreSQL, Redis, and optimized DB performance with pgBouncer pooling
- Developed a low-latency MT5 Copy Trader system and improved PostgreSQL query performance by **60%**
- Owned DevOps stack with Jenkins, Docker, Kubernetes, Prometheus, and Grafana for CI/CD and observability

PROJECTS

Fritzy | *Go, gRPC, GraphQL, PostgreSQL, Elasticsearch, Kafka, Kubernetes, Prometheus, Grafana* — GitHub
- Built a production-grade microservices e-commerce platform handling 1M+ requests/sec with Go, GraphQL, and gRPC for efficient inter-service communication
- Designed an event-driven architecture with Apache Kafka, PostgreSQL, and Elasticsearch for fast, scalable data handling
- Implemented GraphQL API gateway to provide a unified entry point, enabling efficient queries and mutations for client applications
- Deployed Kubernetes infrastructure with Prometheus, Grafana, and Loki for monitoring, and GitHub Actions & ArgoCD for secure automated deployments

CDeX | *NestJS, gRPC, Kafka, Redis, PostgreSQL, MongoDB, Kubernetes, Jenkins, Prometheus, Grafana* — GitHub
- Built a cloud-native NestJS + gRPC platform scaling to **1M+ req/sec** with **1K+ active users**
- Designed a **Kafka-based event-driven architecture** for submissions, judging, and scoring
- Implemented API Gateway with REST → gRPC routing, JWT auth, and realtime WebSockets
- Integrated Judge0 for sandboxed code execution; added pgBouncer for DB pooling and Redis locks for concurrency control
- Deployed on Kubernetes with HPA autoscaling and CI/CD via GitHub Actions, Jenkins, and ArgoCD

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, SQL
Frameworks: Nest.js, Node.js, Next.js, Express.js, React Native
Libraries & Technologies: Redux.js, REST APIs, Mongoose ODM, GraphQL
Databases: MongoDB, PostgreSQL, MySQL, TypeORM, ScyllaDB
Web3 & Blockchain: Solidity, Ethereum, Wagmi, Ethers.js, Hardhat, MetaMask, ERC-20/721/1155, Smart Contracts
DevOps: Docker, Kubernetes, Jenkins, Prometheus, Grafana, GitHub Actions, GitLab CI/CD, ArgoCD
Developer Tools: Git, GitHub, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

LEADERSHIP & VOLUNTEERING

- Volunteer at SAHAAY Foundation: Conducted math lessons for 6th-grade students for 30+ hours
- Event Co-Coordinator, Rangmanch Ki Udaan: Managed auditions and practices for annual cultural event