

Vishal



Backend / Full stack / Infra Developer

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Objective

Backend-focused full-stack engineer building scalable, secure, and high-performance web applications using Node.js, TypeScript, modern system design, and contemporary tooling (Yarn, PNPM, Bun).

Education

Bachelor of Technology– Computer Science Engineering (AKTU, Lucknow)

2022-Present

Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, Python, Node.js, Bun
- **Frontend:** React; Next.js; Tailwind CSS; Context API; Recoil; Custom Hooks; Responsive Design
- **Backend / APIs:** Node.js / Bun; Express.js; REST APIs; Zod Validation; OpenAPI; Serverless Functions; Authentication & Authorization
- **Databases:** PostgreSQL; MongoDB; ORM Usage; Indexing; Transactions; Query Optimization
- **Distributed Systems & Scaling:** Redis; Kafka; Pub/Sub; WebSockets; gRPC; Caching; Horizontal & Vertical Scaling; Fault Tolerance
- **DevOps & Cloud:** Docker; Kubernetes; CI/CD; Nginx; AWS; Fly.io;
- **Security & Observability:** JWT; OAuth; CORS/CSRF Mitigation; Rate Limiting; Logging; Monitoring (Prometheus; Grafana)
- **Testing & QA:** Jest; Vitest; Mocha; Chai; Supertest; Playwright; Cypress; Unit & Integration Testing; Performance Benchmarking

Experience

- **Backend Developer Intern – Better Auth (Remote)** June 2024 – November 2024
Built secure authentication APIs using Node.js and TypeScript
Improved database performance with query optimization
- **Full Stack Developer (Freelancer)** January 2025 – Present
Developed full-stack apps using React, Next.js, Node.js
Designed scalable backend systems with PostgreSQL and Redis

Projects

- **School Management System**
Built a full-featured school management platform with role-based access (Admin, Staff, Student) using Node.js, TypeScript, Next.js, and Supabase
Implemented modules for Student, Staff, Fees, Expenses, and Results, with optimized PostgreSQL queries and caching
Developed secure authentication, dynamic dashboards, and real-time notifications for multi-role usage
- **Digital Wallet / Payments System**
Built scalable backend APIs using Node.js, PostgreSQL, and Redis
Implemented secure authentication and transactional integrity for payments
Added caching, rate limiting, and background job processing for high performance
- **Automation Platform (Zapier-like)**
Designed event-driven workflows using queues and Pub/Sub for distributed processing
Implemented retry mechanisms and fault-tolerant processing for critical tasks
Focused on horizontal scalability and high-performance system design

Soft Skills

Problem Solving; Analytical Thinking; Communication; Time Management; Adaptability; Collaboration; Critical Thinking; Attention to Detail