

Madhusudan Bhukta

Backend Developer (Node.js • Express • MongoDB • Redis)

[✉ madhusudanbhukta.dev@gmail.com](mailto:madhusudanbhukta.dev@gmail.com) — [GitHub](#) — [LinkedIn](#) — [Portfolio](#)

Summary

Backend Developer specializing in scalable REST APIs, modular architectures, authentication systems, and high-performance backend engineering. Experienced with Node.js, Express, MongoDB, and Redis. Improved API latency, optimized data access patterns, and implemented production-style features such as caching, RBAC, and payment workflows. Learning SQL and Docker to deepen system-design capability.

Core Competencies

API Architecture • System Design Fundamentals • Caching Strategies • Error Handling • Performance Debugging • Query Optimization • Database Indexing • Scalable Folder Structures • Clean Code Practices • Deployment Workflows

Skills

Languages: JavaScript (ES6+), TypeScript (learning), SQL

Backend: Node.js, Express.js, REST API Architecture

Databases: MongoDB, Mongoose, Redis, MySQL (learning)

Auth & Security: JWT, Refresh Tokens, RBAC

Backend Engineering: Caching, Rate Limiting, Pagination, Indexing, Domain Modeling

Tools: Git, GitHub, Postman, MongoDB Atlas, Render, Vercel, Docker, Load Testing (Autocannon/k6)

Projects

ShopNexus (E-Commerce Platform)

Node.js, Express, MongoDB, Redis, Razorpay

- Improved product/category API latency by **35–60%** using Redis caching and reducing redundant DB reads.
- Implemented JWT auth, refresh tokens, RBAC, modular services, and full Razorpay payment lifecycle.
- Designed domain models, added cache invalidation strategy, and performed load testing for stability.
- [Project Repository](#)

DevTinder (Matching Platform)

Node.js, Express, MongoDB

- Built profile system, matching logic, secure auth, and modular API structure.
- Added indexing to improve match lookup performance and DB efficiency.
- [Project Repository](#)

Blog Platform

Node.js, Express, MongoDB

- CRUD blogging with RBAC, pagination, optimized read endpoints, and reusable middleware.
- [Project Repository](#)

Experience

Independent Backend Developer

2024–Present

- Built production-style backend systems with authentication, caching, and payment workflows.
- Improved API performance through caching, indexing, and optimized query patterns.
- Created middleware for validation, logging, error handling, and security.
- Performed debugging, load testing, and architecture refinement across multiple projects.

Technical Strengths

API Architecture • Error Handling • Caching Strategies • Performance Debugging • Data Modeling • Query Optimization
• Deployment Workflows

Education

BCA (2024–2027) — NIIS Institute of Business Administration, Odisha, India