

ABHIR ANAND

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PROFESSIONAL SUMMARY

Backend Developer with 2+ years of experience designing and deploying REST APIs, backend services, and real-time systems using Node.js, Express.js, and NestJS. Experienced in MySQL/PostgreSQL database design, authentication, AWS deployment, caching, CI/CD, and admin panel development. Creator of an open-source Node.js framework with 450+ monthly NPM downloads and developer of a logistics platform handling 5,000+ API requests/day. Strong foundation in system design, OOP, data structures, and backend architecture.

TECHNICAL SKILLS

Languages	JavaScript, TypeScript, C++
Backend	Node.js, Express.js, NestJS, REST APIs, GraphQL (Basic), Socket.IO, WebSockets
Databases	PostgreSQL, MySQL, MongoDB, Redis, SQL
ORM / Query Builders	Prisma, Knex.js, Objection.js, Drizzle ORM
Auth & Security	JWT, OAuth 2.0, OTP Authentication, Role-Based Access Control (RBAC)
API / Testing	Swagger / OpenAPI, Jest, Postman
Cloud / DevOps	AWS (EC2, RDS, S3), Docker, GitHub Actions, CI/CD, Linux
Architecture / Engineering	System Design, OOP, Data Structures & Algorithms, API Design, Message Queues
Tools	Git, GitHub

PROFESSIONAL EXPERIENCE

GreenSupply

Backend Developer

Jul 2024 – Present

- Designed and developed the backend architecture and REST APIs for production applications using Node.js, Express.js, and JavaScript/TypeScript.
- Designed and maintained MySQL database schemas, relationships, indexes, and optimized SQL queries to support application workflows and improve data access performance.
- Built and maintained the complete admin panel for managing users, application data, operational workflows, and backend services.
- Implemented OTP-based authentication and login workflows, including OTP generation, verification, validation, session handling, and secure authentication flows.
- Integrated third-party APIs and backend services to support application functionality, data processing, and external service communication.
- Managed application deployment and production infrastructure on AWS, including server configuration, application deployment, monitoring, debugging, and maintenance.
- Developed and maintained API documentation using Swagger/OpenAPI and performed API testing with Postman to ensure reliable integration and consistent backend behavior.
- Collaborated with frontend developers to design API contracts, integrate backend services, troubleshoot issues, and deliver production features.

Backend Developer Intern

Jan 2024 – Jun 2024

- Developed REST APIs and backend modules using Node.js, Express.js, MySQL, and JavaScript/TypeScript for application and business workflows.
- Implemented CRUD operations, database queries, request validation, authentication, error handling, and API integration.
- Assisted in designing MySQL database schemas and optimizing queries for application performance and reliability.
- Contributed to the development of the admin panel and integrated backend APIs with frontend modules.
- Worked with the development team to debug application issues, test APIs using Postman, and deliver features using Git and Agile development practices.

OPEN SOURCE & SELECTED PROJECTS

MiftyJS – Open Source Backend Framework (Creator & Maintainer)

2025 – Present

[Documentation](#) — [NPM Package](#)

- Designed and built a reusable Node.js backend framework with modular architecture, database schema generation, CRUD scaffolding, and CLI tooling across 10+ backend modules.
- Developed a TypeScript CLI that automates repetitive backend setup and CRUD boilerplate, reducing initial project setup time by an estimated 70% and enabling module scaffolding in under 60 seconds.
- Implemented reusable patterns for controllers, services, data access, validation, authentication, and database operations to standardize backend development across projects.
- Published and maintained the framework as an open-source NPM package, achieving 450+ monthly downloads and ongoing developer adoption.

VerifyMyDegree – Academic Verification & Job Portal

2026

Backend Architecture, API Development & Platform Engineering

- Designed and developed a multi-module backend using NestJS, PostgreSQL, Drizzle ORM, and REST APIs for academic verification, university workflows, student requests, and platform administration.
- Built automated email verification workflows using OAuth 2.0 and Gmail API, including request generation, email tracking, reminders, follow-ups, notifications, response management, and scheduled background processing.
- Developed a job portal with candidate profiles, job listings, applications, recruitment workflows, role-based access control, authentication, and audit logging.
- Implemented cron-based automation, database indexing, API validation, notification workflows, and structured service architecture to support reliable processing across verification and recruitment modules.

Smart Logistics Platform – QR Tracking & AI Operations Dashboard

2026

Backend Development, Database Design & Deployment

- Designed the backend architecture and PostgreSQL schema for QR-based parcel tracking, shipment lifecycle, warehouse operations, verification workflows, and delivery management across 20+ REST API endpoints.
- Implemented Redis caching and BullMQ-backed asynchronous processing for high-throughput workflows, reducing average API response time by 40% and handling 5,000+ API requests per day.
- Built QR-based verification workflows including delivery images, digital signatures, OTP verification, parcel status tracking, and real-time shipment state management.
- Developed the operations admin panel and integrated AI-assisted insights for parcel monitoring, volume analysis, delivery operations, and real-time workflow visibility.

Wellique – Fitness Platform

2024 – 2025

Backend Development, Database Design & Deployment

- Designed and developed the backend architecture using Node.js, Knex.js, Objection.js, and MySQL, implementing layered controllers, services, data-access modules, and optimized SQL queries.
- Built REST APIs for user management, fitness workflows, application data, and platform operations, supporting 1,000+ active users on Google Play.
- Implemented Redis caching and Socket.IO-based real-time features, improving average API response time by 35% and enabling real-time application updates.
- Developed and maintained the admin panel for user management, operational monitoring, data management, and platform administration.

EDUCATION

Bachelor of Technology (B.Tech) – Electronics and Communication Engineering

2019 – 2023

Government Engineering College, Banka

Intermediate (12th) – PCM

2017 – 2019

Marwari College, Bhagalpur