ABHAY BAVA

Software Developer

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ABOUT ME

Results-driven Backend Developer with **1+** years of experience designing and implementing scalable APIs and server-side applications using **Node.js**, **Express.js**, and **NestJS.** Proficient in database management with **PostgreSQL** and **MySQL** and experienced in **cloud services** like **AWS** and **Zepto** for **Mail** and **DigitalOcean**. Adept at optimizing performance, ensuring security, and integrating third-party services. Seeking to contribute technical expertise to innovative backend solutions.

EDUCATION

2021 - 2024	**Bachelor of Engineering in Computer Engineering**
GTU - Ahmedabad	Gujarat Power Engineering & Research Institute, Mehsana **(8.15 CGPA)**

EXPERIENCE

Orionik Technologies, Kadi

Junior Software Developer
Present

Associate Software Developer
1Sep 2024 - Feb 2025

- Developed and maintained RESTful APIs using **Node.js** and Express.js, handling 10,000+ daily requests with 99.9% uptime.
- Centralized Design: Developed using a **monolithic** architecture, ensuring streamlined development, simplified deployment, and a unified codebase for easy management and scalability.
- Implemented a **NestJS**-based blog management system with **TypeORM** and PostgreSQL, reducing query response time by 30% through indexing and caching.
- Integrated **DigitalOcean** Spaces for image storage, enabling scalable file uploads for 5,000+ users.
- Integrated **Stripe** payment gateway to securely handle online transactions and streamline the payment process within the application.
- Dynamic Service Management: Implemented CRUD operations for salon services (e.g., Haircut, Beard Trim), including an activation/inactivation mechanism, ensuring flexibility for admins and a clutter-free user experience.
- Designed secure authentication flows using **JWT**, reducing unauthorized access incidents by 100%.
- Wrote **Swagger** documentation for 20+ API endpoints, improving team collaboration and client integration.
- Integrated **AWS SES** and **Zepto** Mail for automated email notifications, achieving a 98% delivery rate for 10,000+ monthly emails.
- Real-Time Appointment Management: Designed features for real-time updates on estimated wait times and appointment statuses using **cron jobs** and **Socket.IO** and logic for multi-service selection and scheduling.

QSpiders, Ahmedabad

Internship
1 jan 2024 - Jul 2024

- I completed my internship in Java development at QSpiders Institute, where I gained hands-on experience in core Java, object-oriented programming (OOPs), exception handling, collections, and JDBC. The internship helped me strengthen my coding skills and understanding of real-world Java applications.

TECHNICAL SKILLS

- **Languages :** JavaScript (ES6+), Java, Typescipt, PHP
- **Frameworks :** Node.js, Express.js, NestJS, Bootstrap
- **Libraries :** React.js,
- **Tools & Platforms :** AWS (S3, SES), DigitalOcean Spaces, Docker, Git, Postman, Zepto
- **Other :** RESTful APIs, GraphQL, TypeORM, Sequelize, JWT Authentication, Swagger

PROJECT

Salon Management System - Shear Brilliance :

- Salon Management System is a comprehensive platform that streamlines salon operations, including online appointment booking, **dynamic queue** and **wait-time management**, **barber scheduling**, and real-time service tracking. It supports **role-based access** (admin, salon owner, barber, user), allows users to mark favorite salons, and integrates with **Google**, **Apple** login, and **ZeptoMail** for seamless communication.

Orionik Website :

- I developed the **Orionik** website using **React.js** and **Framer Motion** for a responsive and animated frontend experience and implemented a blog management system on the backend using **NestJS**, enabling dynamic content creation and management.

Student Management System :

- I developed a Student Management System during my college project using **PHP** for the backend and **HTML**, **CSS**, and **JavaScript** for the frontend. The system included features like student registration, course management, attendance tracking, and performance monitoring, providing a simple and functional web-based solution for managing student data.