Vishal Bahure (Backend Developer)

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Summery

Results-driven **Node.js Developer** with **2+ years of experience** in designing and building **scalable, high-performance backend systems**. Proficient in **Node.js, Express.js, and NestJS**, with expertise in **RESTful API development, microservices architecture, and real-time applications using Socket.IO**. Skilled in database management using **MongoDB, PostgreSQL, and MySQL**, with hands-on experience in **TypeORM and Mongoose**. Strong background in **authentication (OAuth, JWT), cloud services (AWS, S3), and third-party API integrations (Stripe, Razorpay, Firebase, SendGrid)**. Adept at working in **Agile environments**, collaborating with cross-functional teams, and optimizing backend performance to enhance user experience.

Technical Skills

- **Programming & Scripting:** JavaScript (ES6+), TypeScript, HTML5, CSS3
- **Backend Technologies:** Node.js, Express.js, NestJS, PHP, Symfony, Microservices
- **API Development:** RESTful APIs, OAuth, JWT, WebSockets
- **Database Management:** MongoDB, PostgreSQL, MySQL, TypeORM, Mongoose
- **Cloud & DevOps:** AWS (EC2, S3), Docker, CI/CD (GitLab CI)
- **Real-Time Communication:** Socket.IO,
- **Version Control & Collaboration:** Git, GitHub, GitLab,
- **Payment Integration:** Stripe, Razorpay

Experience

Node.js Developer | Atologist Infotech Pvt. Ltd
Surat, India | May 2024 – Present

- Developed and optimized **RESTful APIs** using **Node.js, Express.js, and Nest.js** to improve system scalability.
- Designed **database schemas** with **Mongoose, TypeORM, and Doctrine**, reducing query execution time by **30%**.
- Implemented **OAuth and JWT authentication**, enhancing system security.
- Integrated **SendGrid API** for automated email notifications, reducing manual workload by **50%**.
- Collaborated with cross-functional teams to meet project goals and deadlines.

Trainee Engineer (Node.js Developer) | Redbytes Software Pvt. Ltd
Sambhajinagar, India | Jan 2023 – Feb 2024

- Developed and maintained **scalable REST APIs** for e-commerce, admin panels, and mobile apps.
- Integrated **Amazon S3, Firebase Cloud Messaging, and Socket.io** for real-time data synchronization.
- Implemented **Stripe and Razorpay payment gateways**, reducing transaction failures by **20%**.
- Managed **OTP-based authentication** and secure user login systems.
- Collaborated with frontend developers to ensure smooth integration of APIs with React and mobile apps.

Projects

Lastdrop | (Node.js, Express.js, MongoDB) – August 2024 – Present

- Developed an **inventory management system** for restaurants, reducing manual stock errors by **40%**.
- Implemented **functionality calculate volume using bottle's scanned image pixels** for efficient tracking of liquor and beverages, enhancing inventory accuracy.
- Optimized database queries, improving stock retrieval speed by **30%** and ensuring seamless scalability.
- Implemented excel export feature for inventory reports and showing minimum products stock preventing out-of-stock issues.

Realtor Desk | (Node.js, Nest.js, MySQL) – May 2024 – Oct 2024

o Built a **real estate CRM** with automated lead tracking, increasing agent efficiency by **25%**.
o Developed a **role-based access control system (RBAC)** using OAuth and JWT, ensuring **secure data access**.
o Designed a **custom property recommendation engine**, enhancing customer engagement by **35%**.
o Optimized SQL queries with **TypeORM**, reducing query execution time by **40%**.

Animal Health Application | (Node.js, Expres.js, PostgreSQL) – Sept 2023 –Feb 2024

o Engineered a **multi-user veterinary management platform** serving pet owners, vets, and pharmacies.
o Developed a **secure prescription tracking system**, improving medication adherence by **20%**.
o Integrated **Firebase notifications** to deliver real-time notifications for pet appointment schedules and medication reminders, enhancing user engagement and ensuring timely veterinary care.
o Optimized SQL queries with **TypeORM**, reducing query execution time by **40%**.

MarryEM Application | (Node.js, Express.js, PostgreSQL) – Feb 2023 – Sept 2023

o **Designed and developed the complete backend architecture** for a mobile application, managing **database operations, API performance, and security** to ensure seamless functionality.
o Implemented a **matchmaking algorithm using a test result given by user** improving match accuracy by **30%**.
o Built a **secure OTP-based authentication system**, reducing fake accounts and bot signups by **50%**.
o Implemented a **Stripe subscription model**, enabling seamless monetization and revenue growth.

Personal Projects

Recruiter Panel Application |(Nod.js, Express.js, PostgreSQL) |[[Source Code]](#)– 03-24 -Present

o Developed a **scalable recruiter admin panel**, integrating **user authentication, role-based access control (RBAC), and, admin verification** for sub-admins, ensuring **secure multi-level access**.
o Designed and implemented **job posting management features** (create, edit, list, delete), streamlining recruitment workflows.
o Integrated a **real-time job openings page**, allowing candidates to apply directly, with applications visible to the admin for seamless tracking.
o Implemented **client inquiry management** from the main page, improving response efficiency and automating user verification.

CRM Web Application | (Node.js, Express.js, MongoDB) | [[Source Code]](#) – May-2022 -Present

o Designed and built a **CRM backend application** with structured **RESTful APIs**, developed as part of training at Relevel.
o Implemented a **microservices-based notification system**, enabling real-time customer alerts for status updates, improving **customer engagement**.
o Applied **modular service-based architecture**, improving maintainability and scalability of the CRM system.

Education

- **Aurangabad College of Engineering, Chhatrapati Sambhajinagar, India**
- **Bachelor of Technology (B.Tech)** | **2022** | **73%**
- **HSC (12th) – Maharashtra Board** | **2016** | **64%**
- **SSC (10th) – Maharashtra Board** | **2014** | **80%**