BIBEK KUMAR BHAGAT

Backend Developer | Node.js Developer

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HackerRank | LeetCode | Linkedin | GitHub | CodeWars

PROFESSIONAL SUMMARY

Experienced Backend Developer with 3 years of hands-on experience in building scalable, efficient systems using Node.js, Express.js, and microservices. Proficient in MongoDB, MySQL, AWS, GCP, WebSocket, WebRTC, and third-party integrations like Stripe, PayPal, Razorpay, and Twilio. Passionate about clean code, real-time features, secure auth (JWT and RBAC), and solving complex challenges in collaborative environments.

SKILLS

Programming Languages:	JavaScript (ES6+), TypeScript, Go(Basic), Python(Basic), C Sharp(Basic)
Backend Technologies:	Node.js, Express.js, REST APIs, Microservices, Nest.js
Databases:	MongoDB, MySQL, Mongoose, Sequelize
Front-end Technologies:	React.js, Next.js, React Native
Real-Time Communication:	WebSockets, Socket.IO, WebRTC
Authentication and Authorization:	JWT, OAuth (Basic), Role-Based Access Control (RBAC)
Payments and Integrations:	Stripe, Razorpay, PayPal, Twilio, Google Calendar API, QR Code Integration
Cloud and Deployment:	AWS (EC2, S3, SNS), Google Compute Engine, PM2, NGINX
Tools / Platforms / Testing:	GIT, GitHub, Postman, Jest, ClickUp, Putty, OneSignal

EXPERIENCE

Onevibe Technologies | Node Js Developer   Hyderabad, Telangana, India | Feb 2023 - Jun 2025
- Developed a celebrity engagement platform enabling video calls, bookings, video bites, and in-person meetups via QR code ticketing.
- Built scalable microservices for user, role, payment, and wallet using Node.js and Express.js.
- Integrated WebRTC, WebSocket, Stripe, Razorpay, PayPal, Twilio, and Google Calendar.
- Designed and implemented a subscription-based model and wallet system
- Used AWS S3 and SNS for secure media storage and real-time notifications.
- Built backend for MyFitness platform (gym/trainer-host model) with microservices using Node.js, MongoDB, and Stripe integration.
- Integrated Google Calendar API for class scheduling and reminders; deployed on Google Compute Engine.
- Developed Connectly (online dating platform) with optimized REST APIs and matching algorithms.
- Built Techtris and MenuBridge (restaurant & sync systems) with NestJS, WebSockets, and scheduled sync via cron jobs.
- Deployed secure RESTful microservices on AWS/GCP environments.

Zucol Services | Front End Developer Associate   Gurugram, Haryana, India | Aug 2022 - Feb 2023
- Built Desklib learning platform using React.js, Next.js, React Native, and Context API for seamless web/mobile access.
- Focused on responsive design, frontend API integration, and improving platform accessibility across devices.

Goolean Technologies | Web Developer   Gurgaon, Haryana, India | Jan 2022 - Jul 2022
- Developed a lawyer portal enabling legal appointments, user-lawyer interactions, and legal resource access using MERN stack.
- Built appointment management and user flow features to improve lawyer availability and client experience.

PROJECTS

Celebrity Links - Celebrity Engagement Platform   *Node.js, Express.js, MongoDB, Microservices, WebRTC, WebSocket, AWS (EC2, S3, SNS), Stripe, Razorpay, PayPal, Twilio, Google Calendar, JWT, RBAC*
- Built a celebrity engagement platform offering personalized video messages, live video calls, actor bookings, and in-person meetups with QR code-based ticketing.

- Developed backend services using Node.js and Express.js with microservices architecture for user, role, payment, and wallet modules.
- Integrated WebRTC and WebSocket for real-time video calling and chatting features.
- Designed and implemented a subscription-based model and wallet system to manage user credits and premium features.
- Used AWS S3 for media storage and AWS SNS for notification handling.
- Integrated third-party services like Stripe, Razorpay, PayPal (for payments), Twilio (for messaging), and Google Calendar (for event scheduling).
- Implemented secure JWT-based authentication and role-based access control (RBAC) for API protection and user authorization.

MyFitness - Fitness Platform *Node.js, Express.js, MongoDB, Microservices, Google Compute Engine*
- Built backend microservices using Node.js and MongoDB to handle user roles, class bookings, and workflows.
- Integrated Stripe and Google Calendar API; deployed on Google Compute Engine for performance and reliability.
- Achieved <100ms API response time under 900+ concurrent users using Artillery load testing.

Lawyer - Online Legal Service Portal *Node.js, Express.js, MongoDB, Microservices, WebSocket, AWS*
- Built a MERN stack legal portal connecting users and lawyers with seamless appointment scheduling and case management.
- Improved system scalability through load testing with Artillery, handling 1100+ concurrent users under <120ms avg response time.
- Integrated access to legal resources, boosting user engagement and support efficiency by 25%.

Connectly - Online Dating Platform *Node.js, Express.js, MySQL, RESTful APIs, AWS (EC2, S3)*
- Developed a scalable backend using Node.js and MySQL with microservices and modular architecture.
- Implemented a matching algorithm based on shared interests and user preferences, targeting high match relevance.
- Designed RESTful APIs to manage user profiles, preferences, and recommendations.

Techtris - Online Restaurant App *Node.js, Express.js, MySQL, MicroServices, RESTful APIs, WebSocket*
- Developed backend microservices using Node.js and MySQL with RESTful APIs for menu browsing, order placement, and delivery tracking.
- Designed a modular order management system for efficient restaurant operations.
- Integrated WebSocket for real-time delivery status updates, improving responsiveness and user experience.

Techtris MenuBridge - Menu Sync System *Nest.js, TypeORM, TypeScript, MySQL*
- Built backend with NestJS and MySQL to sync 1K+ restaurant menus from Olo API into internal systems.
- Automated data updates via cron jobs, maintaining 99% sync accuracy across platforms.
- Optimized data models and API integration to reduce sync conflicts by over 40%.

CERTIFICATIONS

- JavaScript Certificate - **HackerRank**
- Software Engineer Certificate - **HackerRank**
- SQL (Intermediate) Certificate - **HackerRank**

EDUCATION

Jind Institute of Engineering and Technology   Jind, Haryana, India
B.Tech in Electronics and Communication Engineering, KUK University   Aug 2016 - July 2020
Status: B.Tech not completed (dropped out); 3 years of hands-on experience in Backend Development

Sukuna Multiple Campus   M97Q+P25, Koshi Haraicha 56600, Nepal
Intermediate (+2 Science), HSEB Board   Aug 2014 - April 2016
Percentage: 64%

Dhanpal Higher Secondary School   Belbari - 5, Kaseni (Morang) Nepal
School, SLC Board   April 2013 - March 2014
Percentage: 61%