

Ashu

Senior Node.js Backend Developer

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Summary: -

Backend-focused Software Developer with 4+ years of experience building scalable web applications and distributed backend systems using Node.js, Express.js, PHP, MySQL, RabbitMQ, and REST APIs. Experienced in designing microservices, asynchronous processing, real-time communication, third-party API integrations, and high-volume messaging systems. Led development of a WhatsApp Business automation platform processing 10,00,000+ messages/day, with a strong focus on performance, reliability, API design, troubleshooting, and scalable system architecture. Strong frontend experience with React.js enables effective collaboration across the full application stack.

Professional Experience :-

Virtuoso Netsoft Pvt. Ltd :- Senior Software Developer
Present)

(Apr 2022 -

- Developed and maintained full-stack web applications using React.js, Node.js, PHP, and MySQL, delivering scalable business solutions across multiple client projects
- Designed and implemented RESTful APIs for seamless frontend-backend communication and third-party integrations
- Built responsive and performance-optimized user interfaces using React.js and modern JavaScript practices
- Developed backend services using Node.js and PHP, handling authentication, authorization, CRUD operations, and business logic
- Integrated multiple third-party services including payment gateways, SMS/email services, and Meta APIs (WhatsApp Business API)

Projects:-

WhatsApp Business Bulk Messaging Platform

Role: Full Stack Developer / Project Lead

Tech Stack: React.js, Node.js, Express.js, MySQL, Tailwind CSS, Socket.io, RabbitMQ, Microservices, Meta (Facebook) WhatsApp Business API

- Designed and developed a scalable WhatsApp Business bulk messaging platform using Node.js, Express.js, MySQL, RabbitMQ, and Meta WhatsApp Business Cloud API, handling 10,00,000+ messages/day.
- Implemented microservices architecture and RabbitMQ-based asynchronous processing for high-volume messaging, improving scalability, throughput, and reliability.
- Designed and developed REST APIs for authentication, messaging, campaigns, user management, delivery tracking, business logic, and third-party integrations.
- Built real-time agent/customer communication and messaging updates using Socket.io.
- Integrated third-party CRM systems and external APIs for customer/lead synchronization and automated workflows.
- Developed an AI-powered RAG-based response system to automate replies and reduce manual workload.
- Managed client onboarding, requirement gathering, API configuration, integration support, and technical communication throughout implementation.
- Troubleshot client-side and third-party API issues, including authentication, webhooks, request/response handling, API failures, rate limits, and message delivery.

- Worked directly with clients to diagnose production issues, understand business requirements, and deliver technical solutions.
- Optimized backend APIs and MySQL queries, improving API response time by 30% and query performance by 40%.
- Focused on backend scalability, API reliability, performance optimization, debugging, and production issue resolution.

Web Applications & Client Projects

Tech Stack: React.js, Node.js, Express.js, PHP/Laravel, MySQL, Lodgify API

JPD Nonwoven Company Website — jpdnonwoven.com

- Developed a responsive corporate website with Node.js/Express backend, MySQL data management, secure contact forms, and SEO/performance optimization.

Pearl Stay Apartments Booking Platform — pearlstay-apartments.com

- Developed a responsive apartment booking platform with Lodgify API integration for real-time property availability and pricing, including multilingual support.

Konark Group — konarkherbals.com

- Developed and maintained a corporate website for Konark Group, implementing responsive UI, backend functionality, content management, and performance optimizations.

Institute of Legal and Policy Research Platform — ilpr.org.in

- Developed a responsive web platform using HTML, CSS, Tailwind CSS, Node.js, and MySQL, with backend services for dynamic content, events, publications, blogs, institutional modules, user interactions, and optimized database queries.

Technical Skills :-

- Languages: JavaScript, PHP, HTML, CSS
- Frameworks: React.js, Node.js, Express.js
- Databases: MySQL, Redis
- Tools & Tech: REST APIs, Socket.io, RabbitMQ, Microservices, Tailwind CSS, Git, Linux, Nginx, Let's Encrypt
- Other: WhatsApp Business Cloud API, Responsive Design, Debugging & Optimization

Education:-

Bachelor of Computer Applications (BCA) :-

(2018 - 2021)

Himalayan Garhwal University, Uttarakhand

Soft Skills / Strengths :-

- Problem-solving
- Client communication
- Team collaboration
- Time management
- Self-learning & adaptability