

Aashish Timsina CV

Backend Developer Specialist

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

About Me

With over 2 years of experience, I specialize in backend development, working extensively with microservices architecture and tools like RabbitMQ, Socket.io, WebRTC, and Docker. My focus is on delivering scalable, secure, and efficient systems using MongoDB, MySQL, Express.js, and Node.js. Skilled in leveraging modern tools and technologies, I excel in solving complex backend challenges, optimizing performance, and building robust solutions tailored to enterprise needs.

Professional Experience

Backend Developer

Eco Ride (2024 – Present) | Remote

- Designed and maintained a microservices architecture to ensure scalability and reliability.
- Implemented real-time features with Socket.io for seamless user interactions.
- Integrated RabbitMQ for efficient message queuing and inter-service communication.
- Built secure APIs for user authentication, ride booking, and payment processes.
- Optimized MongoDB schemas to improve query performance and system responsiveness.
- Leveraged tools like AWS EC2, Nginx, and Docker for deployment and scalability.
- Collaborated with cross-functional teams to enhance API integration and system usability.

Backend Developer

LEAFFROG FÖRVALTNING AB (2023 – 2024)

- Contributed to the development of scalable backend systems using MongoDB, MySQL, and Node.js.
- Worked on performance optimization, reducing API latency by 35%.
- Assisted in designing secure APIs with authentication and data protection mechanisms.

Freelancer Backend Developer (2024 – Present) | Remote

- Delivered robust backend solutions tailored to client needs, with a focus on scalability and efficiency.
 - Built secure authentication systems and real-time communication features using Socket.io and WebRTC.
 - Successfully implemented role-based access controls for various projects, enhancing system security.
 - Offered end-to-end support, including deployment, monitoring, and iterative improvements.
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Education

- **Bachelor of Information Technology** (2022 – Present)
Mount Annapurna Campus, Pokhara, Nepal
 - **+2 Science** (2020 – 2022)
Sagarmatha Secondary School, Pokhara, Nepal
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Certifications

- MERN Stack Developer Certification
 - Node.js – HackerRank
 - SQL – HackerRank
 - Problem Solving – HackerRank
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Key Projects

Eco Ride User Backend System

- Designed and maintained a microservices architecture to support scalability and reliability.
- Implemented real-time features with Socket.io for seamless user interactions.
- Integrated RabbitMQ for efficient message queuing and inter-service communication.
- Built secure APIs for user authentication, ride booking, and payment processes.
- Enhanced database performance by optimizing MongoDB schemas.
- Leveraged tools like AWS EC2, Nginx, and Docker for efficient deployment and operations.
- Collaborated with cross-functional teams to improve system responsiveness and usability.

Inventory Management System API

- Developed a robust API for inventory management, featuring user authentication, cashier management, and sales tracking.
- Added functionalities like product creation, stock monitoring, and password recovery for enhanced user experience.
- **Technologies Used:** Node.js, Express.js, MongoDB, Railway Hosting.

Bindhyeshwori School Website with Admin Panel

- Created a dynamic school website with an admin panel for announcements, student records, and class schedules.
- Integrated secure role-based access controls, ensuring data safety and streamlined management.
- **Technologies Used:** Node.js, Express.js, MongoDB, React.

Job Finder Nepal

- Built a platform connecting job seekers with employers across Nepal.
- Implemented key features like job postings, user registration, and secure authentication.
- Streamlined the job matching process to enhance user satisfaction.
- **Technologies Used:** Node.js, Express.js, MongoDB, React.

Technical Skills

- **Languages & Frameworks:** Node.js, Express.js, React, Vue.js, Tailwind CSS, Python, C++, MERN Stack
- **Database Systems:** MongoDB, MySQL
- **Key Tools:** RabbitMQ, WebRTC, Railway Hosting, Docker, AWS EC2, Nginx, Swagger, Jest, Socket.io, Vercel, Postman API Documentation, Git, GitHub Actions, Firebase, CI/CD
- **Other Skills:** API Design, Real-time Systems, Authentication Systems, SRS Design, Scalable Development

Expertise

- Project Management
- Critical Thinking & Problem Solving
- Team Collaboration

- Leadership & Negotiation
- Creativity & Troubleshooting