

BALRAM KUMAR

Back-End Developer (MERN)

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SUMMARY

Node.js Developer with **3.3 years** of experience building scalable web applications, specializing in **Node.js, Express.js, and REST API development**. Proficient in database design (MongoDB, MySQL), JWT authentication, and cloud integration (AWS S3, EC2). Collaborated with cross-functional teams to optimize backend performance, reduce latency by 20%, and automate workflows. Strong advocate for code quality, security, and Agile practices.

TECHNICAL SKILLS

- **Back-End:** Node.js, Express.js, REST APIs, JWT, AWS (EC2, S3), Microservices
 - **Databases:** MongoDB, MySQL, Schema Design, CRUD Optimization
 - **Front-End:** React.js, Redux, React Native, Material UI, TypeScript
 - **Tools:** Git, Postman, Docker, JIRA, CI/CD
 - **Testing:** Jest, Postman Automation
 - **Methodologies:** Agile/Scrum
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EXPERIENCE

Tuteck Technologies | Senior Software Consultant

February 2022 – Present

- Led **backend development** for enterprise applications, including a **Transportation Management System**, designing scalable REST APIs with Node.js/Express to handle 10k+ daily requests.
- **Optimized MySQL queries** for shipment tracking, reducing API response time by 25%.
- Implemented **JWT authentication** and role-based access control (RBAC) for secure user sessions.
- Collaborated with DevOps to document **AWS EC2 deployment** workflows and **S3 integration** for storing shipment documents.
- Reduced downtime by 15% by resolving backend issues like API rate-limiting and database connection pooling.

PrepBytes | Trainee

April 2021 – December 2021

- Trained in full-stack MERN development, delivering 3+ projects (e.g., CapEx Survey).
 - Reduced form validation errors by 60% using React Hook Form and Yup.
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EDUCATION

West Bengal University of Technology

Bachelor of Technology in Information Technology | GPA: 8.5

June 2017 – May 2021

PROJECTS

Transportation Management System (Jan 2024 – Present)

- **Tech:** React.js, Redux, Node.js, MySQL, Material UI
- Integrated REST APIs for real-time load bidding, reducing shipper-transporter matching time by **40%**.
- Deployed backend on **AWS EC2** using Docker containers; utilized **S3** for storing shipment proofs and invoices.
- Optimized MySQL master data tables for transporters and loads, reducing CRUD operation latency by 30%.
- Collaborated on API contracts and CORS configuration for seamless frontend-backend integration.
- Optimized rendering performance by lazy-loading components, cutting initial page load time by **30%**.
- Documented API workflows and error-handling protocols for 10+ developers.

HRMS Onboarding Module (Feb 2022 – Dec 2023)

- **Tech:** React.js, Redux, Material UI, React Hook Form, Yup
 - Developed dynamic forms with React Hook Form, cutting submission errors by **50%**.
 - Built role-based access control (RBAC) to restrict module features for admins, HR, and employees.
 - Conducted user testing with 20+ employees, refining UI/UX to achieve a 95% satisfaction rate.
 - Collaborated with back-end teams to resolve CORS issues and design API contracts.
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ADDITIONAL INFORMATION

- **Awards:** Highflyer Award (Tuteck Technologies, July 2022)
- **Languages:** English (Professional), Hindi (Native)
- **Willing to Relocate:** Yes