

Ranjit Kumar Sah

Full Stack Engineer (MERN Stack)

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PROFILE SUMMARY

Full Stack Developer with over 4 years of experience building scalable web applications using React, Next.js, Node.js, and Nest.js. Strong in designing end-to-end solutions, from responsive frontend interfaces to robust backend APIs and middleware layers.

Experienced in implementing complex business logic, pricing/markup systems, authentication flows, and third-party API integrations, with a focus on performance optimization and clean architecture.

Proficient in leveraging AWS services such as S3, CloudWatch, and Lambda to enhance application reliability and scalability. Adaptable, detail-oriented, and committed to delivering high-quality solutions that align technical execution with business goals.

SKILLS SUMMARY

Programming Languages : JavaScript (ES6+), TypeScript, HTML5, CSS3.

Frontend Technologies : React.js, Next.js, Material UI, Bootstrap, Semantic UI, jQuery.

Backend Technologies : Node.js, Express.js, Nest.js.

Databases : MongoDB, PostgreSQL, MySQL, MSSQL, MariaDB, AWS DocumentDB.

Cloud & DevOps : AWS (S3, Lambda, CloudWatch, OpenSearch), Jenkins.

Version Control Systems : Git, GitHub, Bitbucket.

Tools & Technologies : Postman, Jira, Asana, Bubble.io, Cursor (AI-assisted development).

WORK EXPERIENCE

Software Developer | Eminence Technology | Mohali, Punjab | Nov 22- Present

- Develop and maintain scalable MERN stack applications, focusing on Next.js (frontend) and Node.js (backend), supporting real-time booking and pricing workflows.
- Supporting 10,000+ daily booking requests and handling high-volume transactional data across multiple supplier integrations.
- Designed and optimized RESTful APIs and middleware layers, improving overall API response efficiency by approximately **30-40%**.
- Implemented complex business-rule and dynamic markup logic, increasing pricing configuration flexibility by **60%**.
- Reduced hotel listing API response time from **10-15 seconds to ~1 second (~85-90% improvement)** through chunk-based data fetching and query optimization.
- Optimized database queries and indexing strategies, reducing average query execution time by approximately **35%**.
- Integrated multiple third-party supplier APIs with structured error handling, reducing booking failure scenarios by **20%**.
- Managed full development lifecycle from requirement analysis to production deployment, supporting stable releases with minimal post-deployment issues.
- Collaborated with cross-functional teams to deliver scalable solutions serving high-volume transactional workflows.

Web Developer | BriskLogic | Mohali, Punjab | Aug 2021 - Nov 2022

- Developed web and mobile applications using the MERN stack and Bubble.io, contributing to both frontend and backend development.

- Built responsive UI components and integrated backend APIs to support dynamic dashboards and transactional features.
- Improved frontend performance and rendering efficiency, reducing page load time by approximately **30–35%**.
- Optimized backend API structures and database queries, improving overall application responsiveness by approximately **25%**.
- Worked closely with design and product teams to translate business requirements into scalable technical solutions, delivering projects within defined timelines.

PROJECTS

TMP (Booking Management Platform)

Technology : MERN Stack

Role : Middleware / Backend Developer

- Designed and maintained a scalable middleware layer between the booking engine and multiple external supplier APIs to handle real-time pricing and availability workflows.
- Built a configurable business-rule and dynamic markup engine to support supplier-specific pricing strategies and conditional logic.
- Architected chunk-based data fetching, pagination, and optimized query handling to efficiently process large hotel datasets.
- Integrated multiple third-party supplier APIs with structured error handling, retry mechanisms, and fallback logic to ensure booking reliability.
- Implemented secure data flow between frontend applications, booking engine services, and external supplier systems.
- Refactored API structure and improved modularization to enhance maintainability and system stability.

NEXUS (Gaming Platform) | [LINK](#)

Technology : MERN Stack.

Role : Full Stack Developer

- Developed and maintained end-to-end features across frontend (React) and backend (Node.js/Express), ensuring seamless integration between UI and server-side logic.
- Built a responsive and user-friendly interface to manage contract exchanges and secure file transfers.
- Designed and implemented RESTful APIs for contract management, file handling, and user workflows.
- Implemented authentication and role-based access control to ensure secure access to sensitive contracts and documents.
- Optimized backend queries and API responses, improving overall system performance by approximately **30%**.
- Enhanced file handling efficiency and reduced upload/download latency through structured storage management and optimized request handling.

DBPS (Casting Management Platform) | [LINK](#)

Technology : MERN Stack

Role : Backend Developer.

- Designed and developed backend services using Node.js and Express to manage talent profiles, audition scheduling, and casting workflows.
- Built RESTful APIs to handle profile creation, media uploads, scheduling logic, and role-based access control.
- Implemented secure authentication and authorization mechanisms (JWT-based), ensuring protected access to user and admin features.
- Optimized database queries and indexing strategies in MongoDB, improving API response performance by approximately **25–30%**.
- Structured data models to efficiently manage relationships between talents, casting directors, and audition events.
- Provided production support, debugging, and performance tuning to ensure system reliability.

The Nest Genie (ECommerce) | [LINK](#)

Technology : MERN Stack.

Role : Frontend Developer.

- Developed responsive and interactive user interfaces for seller, buyer, and admin panels using React, improving overall UI consistency and usability.
- Built reusable UI components, reducing duplicate code by approximately **30%** and improving development efficiency.
- Integrated frontend with backend APIs for product listings, order management, and dashboards, ensuring smooth real-time data updates.
- Optimized rendering performance and API call handling, reducing page load time by approximately **35-40%**.
- Improved mobile responsiveness and cross-browser compatibility, enhancing user experience across devices.

EDUCATION

Bachelor of Computer Applications (BCA)

Lovely Professional University

Diploma in Electronics and Communication

Pusa Institute of Technology

CERTIFICATIONS & AWARDS

- Certified in Internet of Things (IoT) – NSIC, Delhi.
- Awarded Best Team Leader – Bharat Scouts and Guides.
- Recognized for effective team management and leadership during academic tenure.

LANGUAGES

- **English** – Professional Working Proficiency
- **Hindi** – Native Proficiency
- **Maithili** – Native Proficiency