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# Harsh Jain

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As a performance-driven MERN Stack Developer with 3+ years of experience, I specialize in developing secure full-stack solutions with a focus on frontend architecture and state management. I have a proven track record of delivering high-impact features for various applications, proficient in JavaScript, RESTful APIs, JWT authentication, and integrating real-time technologies and cloud services while working in Agile cross-functional teams.

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## Professional Experience

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**Gammastack (GrepRuby Webtech), Indore** **06/22 - Present**  
**Full Stack Developer | Frontend Developer | Solution Engineer**

Full-stack Developer with 3+ years of experience building responsive, real-time web applications using the MERN stack. Proficient in developing robust frontend interfaces and secure, scalable backend APIs using React.js, Node.js, Express.js, postgres and MongoDB.

- Developed scalable frontend applications using React.js, Redux, and React Router DOM.
- Created real-time gaming interfaces with Socket.io for high concurrency gameplay.
- Integrated multi-language support using React 18next and optimized UX with asynchronous loading.
- Designed admin dashboards and internal tools for managing game content and analytics.
- Implemented RESTful APIs with Node.js and Express.js for user management and game operations.
- Developed CRUD operations for users, roles, game records, and admin data.
- Integrated JWT-based authentication with role-based access control for user and admin security.
- Implemented middleware-based validation using express-validator for data integrity.
- Structured backend code for scalability and easy debugging.
- Ensured error handling, input sanitization, and logging for backend services.
- Utilized AWS S3 and CloudFront for secure media asset delivery.
- Employed Docker, Git, GitHub, and CI/CD workflows for efficient code management and deployment.

**Gammastack (GrepRuby Webtech), Indore** **01/22 - 06/22**  
**Frontend developer Intern | Solution Engineer**

- Created modular and responsive UI components with React.js and Redux for efficient state management.
- Integrated dynamic data from APIs into reusable components to improve maintainability and user experience.
- Upgraded legacy jQuery-based ad templates to optimized Vanilla JavaScript and React solutions, reducing load times and enhancing performance.
- Developed personalized ad modules with Dynamic Yield (DY) to boost user engagement with targeted content.
- Employed component-based architecture to improve code quality through debugging, testing, and performance tuning.

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## Education

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**Lakshmi Narain College of Technology Excellence, Bhopal** **08/18 - 06/22**  
**B. Tech - 8.33**

- Computer Science and Technology

**St. Joseph's Convent School Kotma**  
**Schooling**

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## Key Skills

- React Js, Redux-Thunk, JavaScript (ES6+) , HTML5, CSS3, Material UI, Bootstrap
- Node.js, Express.js, REST APIs, Sequelize, PostgreSQL, Socket.IO
- Docker, AWS S3, Git, Zego Cloud
- Agile Methodologies.

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## Projects

### AfterHours / LiveChance – B2C Live Casino Gaming Platform

- Team Size: 2
- Tech Stack: React.js, Redux, Node.js, Express.js, Sequelize, PostgreSQL, Docker, S3, Zego Cloud, Socket.IO
- Built scalable, real-time UI components using React.js and Redux, implementing lazy loading, dynamic routing, and optimized asset delivery via AWS S3.
- Developed backend APIs using Node.js, Express.js, and Sequelize for user management, gameplay orchestration, wallet integration, and admin configurations.
- Integrated multiple third-party live casino providers (e.g., Pragmatic Play, NetEnt, Evolution) into a unified backend pipeline with provider-specific game flows.
- Designed a synchronized round system using UTC atomic clock logic to trigger real-time, tamper-proof results.
- Engineered Zego Cloud + Socket.IO modules to power live-host games with high-concurrency user interactions, tipping logic, and session-level event handling.
- Implemented backend validation, logging, and error-handling middleware for secure and consistent gameplay operations.
- Followed modular project structure and agile delivery workflows with containerization via Docker.

### PokerOne – Real-Time Poker Game

- Led a team of 4 to develop and maintain a real-time poker game using React.js, Redux, Node.js, and PostgreSQL.
- Engineered real-time poker game logic with custom rules and spectator mode.
- Designed and implemented room-based architecture with Socket.IO for state synchronization and player turn logic.
- Developed a responsive UI with React.js, Redux for game state management, and animations.
- Created RESTful APIs in Node.js/Express.js for user actions and room management.
- Utilized Sequelize ORM for modeling relational game data and ensuring data consistency.
- Implemented JWT-based authentication for session management and access control.
- Optimized real-time reliability through performance profiling and socket reconnection strategies.

### Redes Holding / GreenCage / Living Pixels / Roliify – B2B Multi-Gaming Platform

- Team Size: 3 | Tech Stack: React.js, Redux, Thunk, Socket.IO, RNG, Sequelize, Express.js, PixiJS, Chart.js, Axios, Material UI, Bootstrap
- Built modular UIs for casino-style games like Dice, Blackjack, Roulette, Pilinko, Video Poker.
- Created a dynamic admin panel for transaction tracking, round history, user/IP monitoring, and bet management.
- Integrated PixiJS-based slot games into React with a system to render build files dynamically.
- Used debouncing and throttling techniques for efficient bet placement and reduced server load.

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## Summary & Objective

- Versatile Full-Stack Developer with 3+ years of experience in MERN stack and PostgreSQL.
- Expertise in frontend and backend development, delivering high-impact features for various applications.
- Proficient in technologies such as Socket.IO, WebRTC, Redux, AWS S3, and Docker.
- Seeking Senior Full-Stack Developer role to apply technical skills, solve problems, and contribute to high-performance web platforms.