Sandeep Sharma *Software Development Engineer*

✉ sandeepsharma10697@gmail.com 📞 7992131837 📍 Bangalore MrSharma050522 in Sandeep Sharma

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👤 PROFILE

Experienced full-stack developer with 2.5+ years of expertise in building scalable web applications. Proficient in modern frontend and backend technologies, optimizing system performance and security. Strong background in team management, ensuring seamless project execution. Continuously expanding technical skills to develop efficient and high-quality solutions in collaborative environments.

🎓 TECHNICAL SKILLS

Languages (HTML, CSS, JavaScript, Java 8, Python) | **Frameworks/Libraries:** (React.js, Redux, Node.js, Express.js, Angular, Material UI, Bootstrap, Java Collections Framework, AWS(EC2, S3)) | **Tools:** (Git, GitHub, Bitbucket, Jira, Postman, VS Code, IntelliJ, Studio 3T) | **Databases:** (MongoDB, MySQL) | **Others:** (JWT, Redis, Mongoose, System Design, CI/CD(Jenkins), Bcrypt)

🎓 EDUCATION

Mangalayatan University, *(Master of Computer Applications), Aligarh (U.P.) India*   07/2023 – Present

Veer Bahadur Singh Purvanchal University, *(Bachelor of Science), Jaunpur (U.P.) India*   07/2018 – 12/2022

💼 PROFESSIONAL EXPERIENCE

Software Development Engineer, *Decorpot (05/2023 - Present)*

- **Data-Driven Dashboards:** Designed and created user-specific dashboards for sales, design, and operations teams, enabling data-driven decision-making and **automating custom workflows**, resulting in a 30% boost in team productivity.
- **AWS Deployment & Maintenance:** Deployed and managed applications on **AWS EC2 and S3**, ensuring high availability, scalability, and data integrity while optimizing cloud infrastructure for cost efficiency.
- **API Performance Optimization:** Introduced real-time database monitoring using **MongoDB Change Streams** and refined **RESTful APIs** by integrating **Redis caching**, leading to **50% faster response times** and a **smoother user experience**.
- **CRM & ERP System Automation:** Integrated **UPI payments, CashFree, PineLabs,** and streamlined payment notifications. Also, streamlined **HDFC report processing** using cron jobs, reducing manual processing time by **30%** and improving operational efficiency.
- **Frontend Development:** Constructed scalable, responsive frontend solutions with React.js, Material UI, and Ant Design, reducing load times by 40% and increasing user engagement by 30%, driving a 20% improvement in retention rates.
- **Security Enhancements:** Designed and applied RBAC and UBAC security mechanisms, enhancing application security by 50%, reducing breaches by 30%, and ensuring 100% compliance with industry standards.
- **Material Tracking System:** Engineered a full-stack material tracking system, seamlessly integrating frontend UI with backend services to optimize inventory management and improve operational efficiency by 30%.
- **Material Management & Payments:** Engineered an enhanced material receiving process, reducing processing time by 40% through simplified GRN generation. Introduced a defect return system, cutting material rejection delays by 35%, and digitized vendor payment approvals, accelerating financial transactions by 50%.

📁 PROJECTS

Random Maze Generator Game

- **Authentication**: Implemented secure user authentication with JWT, reducing unauthorized access risks **95%**.
- **Maze Generation**: Developed an algorithm generating **100+ unique mazes** dynamically per session.
- **Score Tracking**: MongoDB-based system handling **100+ player records**, ensuring **99.9% uptime** for data retrieval.
- **Tech Stack**: MERN (MongoDB, Express, React, Node).

Banker Web App

- **Transaction Hub**: An intuitive transaction hub, enabling seamless loan applications, efficient transaction processing.
- **Responsive Design**: Built a 100% responsive website, ensuring seamless user experience across devices.
- **Data Handling**: Optimized data handling with Firebase, enabling secure, scalable transaction storage and reducing database query by 30%.
- **Tech Stack**: HTML, CSS, Javascript.

🖥 INTERNSHIP

- Full Stack Web Development (05/2022-04/2023)

- 1000+ hours of hands-on coding, specializing in Web Development and Data Structures & Algorithms (DSA).