Surya Teja Panduri

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Objective

To join a dynamic tech team as a MERN stack developer, leveraging my technical skills and problem-solving ability to create impactful products while continuously enhancing my expertise in modern web technologies.

Experience Summary

- Over 1+ year of hands-on experience in developing full-stack web applications using the **MERN stack (MongoDB, Express.js, React.js, Node.js)**.

- Proficient in designing responsive and user-friendly interfaces, building RESTful APIs, managing databases, and deploying applications on cloud platforms such as **Vercel** and **Render**.

- Skilled in building scalable, maintainable, and efficient codebases following modern development practices. Experienced in implementing authentication, state management, and API integration in full-stack projects.

- Strong understanding of **frontend frameworks** (React, Next.js), **backend development** (Node.js, Express), and **database design** (MongoDB). Familiar with **version control using Git and GitHub**, and comfortable collaborating on projects using **Agile methodologies**.

- Knowledge of **JavaScript ES6+, HTML, CSS, and modern UI libraries** like Tailwind CSS and Material UI. Experienced in debugging, optimizing performance, and ensuring cross-browser compatibility.

- Excellent communication and problem-solving skills with a continuous learning mindset. Demonstrated ability to work independently or within a team to deliver high-quality, user-focused web solutions. Passionate about technology, clean code, and building products that make a real-world impact.

Work Experience

Full Stack Developer (MERN Stack)
Independent Projects / Freelance | AUG 2024 – Present

Project I
INVENZO: Asset Tracking & Management Web Application
- Developed a full-stack asset tracking application to manage asset inventory, checkouts, and user roles.
- Designed and implemented a secure authentication flow with JWT and role-based access control for Admins, Managers, and Viewers.
- Integrated Node.js, Express.js, and MySQL for backend operations, enabling CRUD functionalities for assets, users, and checkout records.
- Created a responsive dashboard using HTML, CSS, JavaScript, and Bootstrap, dynamically rendering UI elements based on user roles.
- Deployment: [Live Demo](#) | Code: [GitHub](#)

Project II
MFA-MERN: Multi-Factor Authentication Web Application
- Built a secure full-stack authentication system using MERN (MongoDB, Express.js, React, Node.js) with email-based OTP verification.
- Implemented multi-factor authentication (MFA) flow with session handling, OTP resend, and expiration mechanisms.
- Integrated Mailtrap SMTP service to send one-time passwords during login for enhanced security.
- Developed a responsive React frontend with OTP input fields, session-based redirects, and dashboard access control.
- Deployed the backend on Render and frontend on Vercel, enabling live access with cloud-hosted MongoDB Atlas database.
- Deployment: [Live Demo](#) | Code: [GitHub](#)

Project III
plagiSense: Text & Image Plagiarism Detection System
- Led a 5-member team to build plagiSense, a plagiarism detection system for both text and images, using Longest
- Common Subsequence (LCS) and Frequency Modulo Method (FMM) algorithms for similarity analysis.

- Developed the frontend with React.js, HTML, CSS, JavaScript, and Material UI, creating an intuitive interface with dashboards, upload modules, and real-time plagiarism reports.
- Built the backend with Node.js and Express.js, implemented JWT authentication and role-based access, and integrated MongoDB for scalable data storage.
- Designed plagiarism reports to display similarity percentages with highlighted matched content, supporting multiple file formats.
- Ensured accuracy and reliability by testing across diverse datasets and file types, achieving consistent performance for both text and image plagiarism detection.
- Deployment: [Live Demo](#) | Code: [GitHub](#)

Certificates

- Meta Front-End Developer - Coursera
- Core Java, SQL, Linux (JSL) – Frontlines EdTech
- AWS Fundamentals – HMI Engineering Services

Education

SRKR Engineering College

Information technology(IT) • Bhimavaram, Andhra Pradesh   05/2023

Technical Skills

- **Frontend:** React.js, Next.js, HTML5, CSS3, JavaScript (ES6+), Responsive Web Design, Component-Based Development
- **Backend & APIs:** Node.js, NestJS, Express.js, RESTful API Development, Authentication & Authorization (JWT, RBAC), MVC Architecture, API Performance Optimization, Error Handling & Logging
- **Languages:** Java, JavaScript (ES6+), TypeScript, C
- **Databases:** PostgreSQL (Schema Design, Query Optimization, Joins), MySQL, MongoDB
- **Cloud & Deployment:** AWS (EC2, S3, RDS, Lambda), Docker, Kubernetes, Railway, Netlify, Render, Serverless Architecture, CI/CD Basics
- **Tools & Collaboration:** Git, GitHub, VS Code, Eclipse, Postman, Debugging, Agile Methodologies, Code Review & Version Control Workflows

Personal Profile

- Languages : Telugu, Hindi and English
- Nationality : Indian
- Hobbies : Listening to Music, Badminton