

VAMSI SAI MANGAPATHI

Frontend Developer

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PROFESSIONAL SUMMARY

Frontend Developer with over 3 years of hands-on experience specializing in React.js, Next.js, and modern JavaScript frameworks. Proven expertise in designing and developing responsive, high-performance web interfaces with a sharp focus on seamless user experience and scalable architecture. Strong collaborator across cross-functional teams, consistently delivering clean, maintainable code and embracing emerging technologies to stay at the forefront of the digital landscape.

WORK EXPERIENCE

Terralogic Software Solutions

Software Engineer II – Frontend Developer

August 2022– Present

- Designed and developed scalable, responsive web applications using React.js, Next.js, TypeScript, JavaScript, Storybook and Tailwind CSS.
- Played a key role in building the HROS (Human Resource Operating System) platform, delivering end-to-end features across multiple modules:
 - Asset Management:** Built UIs for tracking asset allocation, movement, and return processes with clear status indicators and history logs.
 - EPAS (Employee Performance Appraisal System):** Developed goal setting, self-review, and evaluation flows to support structured performance cycles.
 - Payroll Management:** Created interactive views for payroll configuration, salary breakdowns, and monthly processing dashboards.
 - Task Management:** Implemented task assignment, tracking boards, due date alerts, and priority-based sorting with filter capabilities.
 - Customer Management:** Delivered components for managing customer profiles, agreements, locations, and related contacts.
 - Project Management:** Built billing rate forms, resource allocation views, and progress tracking components aligned with project timelines.
- Followed modular development practices and built 30+ reusable components, boosting development efficiency by 40%.
- Built custom UI components using Storybook, reducing development time by 30% and improving performance by 15%, while enabling easy customization based on requirements.
- Collaborated with designers to translate Figma mockups into pixel-perfect, responsive UI components, ensuring consistency with design systems.
- Suggested and implemented UI improvements during design handoffs, reducing design-to-development gaps by 25% and improving overall user experience.
- Used Redux Toolkit (RTK) and RTK Query for efficient state management, API caching, and mutation handling across modules.
- Collaborated in **Agile methodology**, participated in sprint planning, code reviews, and contributed to UI/UX improvements for better user experience and performance.
- Ensured code quality through unit testing, code optimization, and seamless integration with REST APIs following clean architectural patterns.
- Improved application performance by 20% using Next.js optimizations such as image optimization, SSR, and lazy loading.
- Gained hands-on experience with backend development using **Node.js, Express, and MongoDB**, building REST APIs and implementing CRUD operations.
- Explored middleware, validation, and authentication flows in Express, strengthening understanding of backend architecture and secure API design.
- Practiced building modular backend services aligned with **MVC architecture**, integrating them with frontend.

EDUCATION

MSC (Computer Science)
Krishna Chaitanya PG College

2019-2021

SKILLS

- **Languages:** HTML, CSS, JavaScript, TypeScript
- **Frameworks:** React.js, Next.js
- **State Management:** Redux, Redux Toolkit (RTK), RTK Query
- **UI/UX Libraries:** Ant Design, Storybook, Shadcn, Figma
- **Tools & Version Control:** Git, GitHub, GitLab, Postman, Swagger
- **Backend Fundamentals:** Node JS, Python
- **API Integration:** Seamless integration with RESTful APIs for real-time data exchange, caching, and mutation workflows.

LANGUAGES

- English
- Telugu

PROFESSIONAL LINKS

- LINKEDIN : www.linkedin.com/in/vamsi-sai-mangapathi
- PORTFOLIO : <https://vamsisai-mangapathi-portfolio.netlify.app/>
- GITHUB : <https://github.com/VamsiSaiMangapathi>