

AMBATI HARI PRASAD

Software Developer

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Summary

Seasoned frontend engineer with 3+ years of experience building high-performance, scalable web applications using modern React.js architecture. Skilled in architecting reusable component libraries, optimizing state management solutions, and integrating complex UI optimizations to deliver exceptional user experiences that drive 20-30% improvements in key performance metrics.

Skills

- ❖ Frontend: React.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Material-UI, Context API, Redux
- ❖ Performance Optimization: Code Splitting, Lazy Loading, React Hooks (useCallback, useMemo, useEffect)
- ❖ Testing & Tools: Jest, React Testing Library, Git, Postman, REST API, VS Code
- ❖ Backend Knowledge: Node.js, Python, MongoDB
- ❖ Project Management: Agile/Scrum, Jira
- ❖ Other: Responsive Design, Cross-browser Compatibility, Web Performance Optimization, CI/CD

Experience

Altius Hub

[June'24 - Till Date]

SDE-1

Project Name: *Altius Hub*

Altius Hub (SaaS product)

- Architected and developed a high-performance React.js application, leveraging Webpack's code splitting, dynamic imports, and asset optimization features to reduce the initial JavaScript bundle size from **2.8MB to 1.8MB (a 36% improvement)**, resulting in faster load times and improved user experience
- Designed and built a comprehensive Material-UI component library of 15+ reusable elements including data tables, modals, and custom form components, establishing a consistent design system that accelerated feature development cycles by **30%**.
- Implemented strategic optimizations leveraging the Context API and bespoke hooks to enhance overall rendering speed by reducing average loading time from **800ms down to an efficient 500ms** per user interaction.
- Designed a robust system of over 10 distinct interactive form components using Material-UI that improved completion rates by 25% on complex submissions through streamlined workflows integrated via custom hooks within existing applications.
- Incorporated performance optimizations like virtualized lists and infinite scroll for large datasets, implementing efficient data pagination and memory management for improvement in user experience metrics

Cognizant

[Sept'22 – May'24]

SDE-Associate

Project Name: *TriZetto Health Care*

- Spearheaded migration from jQuery to React.js for healthcare dashboard, boosting average page load time from **4.5s to 2.8s (a 38% improvement)** and reducing JavaScript bundle size by **32% (from 3.2MB to 2.2MB)** while handling real-time updates for 25,000+ daily records
- Optimized API integration using React Query, reducing API calls by **35%** through efficient caching and implementing error boundary system that captured and properly handled 98% of runtime errors (measured via Sentry)
- Constructed custom hook library for complex data transformations and API interactions, decreasing boilerplate code by 40% across 20+ components and standardizing data handling patterns, resulting in 30% faster feature development
- Enhanced the Webpack configuration by implementing tree shaking and code minification, achieving an additional 15% reduction in bundle size

FIS

[July'22 - August'22]

IT Trainee

As an IT trainee at FIS, I made significant contributions.

- Actively contributed to Python-related projects, showcasing a strong command over the programming language
- Gained hands-on experience with the React.js frontend framework, assisting in the development of user-friendly and responsive web interfaces
- Demonstrated strong teamwork and communication skills while collaborating with colleagues and contributing to the overall success of projects

SAMSUNG SDS

[February'22 - June'22]

Internship

- Valuable contributor to the Samsung Smart Partner Portal project at Samsung.
- Spearheaded the enhancement of user interface by implementing impactful code changes in the front-end using CSS, HTML, and JavaScript.
- Collaborated closely with senior developers, actively supporting their daily tasks and contributing to the overall development efforts.
- Played a pivotal role in improving the project's user experience and codebase through my dedicated contributions.

Projects

Full Stack

QKart FrontEnd: [\[Demo link\]](#)

[December'22]

Skills: React.js, Material-UI, REST API, JavaScript ES6+

- Implemented authentication system and shopping cart functionality using React hooks
- Developed responsive design system supporting multiple device viewports
- Integrated REST APIs with error handling and loading states
- Deployed application using Vercel with CI/CD pipeline

QTify: [\[Demo Link\]](#)

[February'23]

Skills: React.js, Material-UI, CSS Modules

- Architected and developed music browsing application with genre-based filtering
- Created modular component library for enhanced code reusability
- Implemented an intuitive genre-based song filtering system using a tab component by modifying the one provided by Material UI, allowing users to browse songs by their preferred genre effortlessly.

Education

B.Tech | Computer Science and Engineering (CSE)

Indian Institute of Information Technology, (IIIT) Bhagalpur

06/2018 – 07/2022