Vishnukarthick K

Software Developer | Frontend Specialist | React.js & Java Enthusiast

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Bengaluru, Karnataka, India • Immediate Joiner • Open to Relocation

PROFESSIONAL SUMMARY

Results-driven Frontend Developer with **4.5+ years** of experience crafting scalable, high-performance web applications. Specialized in **React.js** with expertise in modern JavaScript, TypeScript, and responsive UI design. Strong background in full-stack development with hands-on experience in **Java, Spring Boot, and REST API** integration. Known for writing clean, maintainable code and delivering innovative solutions that enhance user experience and drive business value.

TECHNICAL SKILLS

- **Frontend Technologies:** React.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Redux, React Router
- **UI Frameworks & Libraries:** Material UI, Bootstrap, Reactstrap, Tailwind CSS, Responsive Design
- **Backend Technologies:** Java, Spring Boot, Struts Framework, REST API Development
- **Tools & Platforms:** Git, GitHub, Webpack, npm, RESTful Services, API Integration, Agile/Scrum
- **Core Competencies:** Component Architecture, State Management, Performance Optimization, SEO, Cross-browser Compatibility

PROFESSIONAL EXPERIENCE

Software Developer   *Jan 2025 – Present*
Mount Carmel College, Bangalore   Bengaluru, Karnataka

- Architecting and developing real-time web applications using **React.js** for frontend and **Java-based APIs** for backend, serving the education domain with scalable and maintainable solutions
- Building responsive, accessible UI components with emphasis on performance optimization and SEO best practices for academic platforms
- Implementing clean code architecture and component reusability, reducing development time by **25%** and improving code maintainability
- Creating and integrating RESTful APIs enabling seamless data flow between frontend interfaces and backend services
- Collaborating with cross-functional teams to gather requirements, design system architecture, and deliver feature-rich applications

Software Engineer   *Dec 2021 – Jan 2025*
IOLITE Technologies   Bengaluru, Karnataka

- Developed and maintained **Knowledge Pro**, a comprehensive university administration system managing online admissions, fee collection, attendance tracking, and exam management for **10,000+** users
- Built dynamic, responsive frontend interfaces using **React.js, Material UI, and Bootstrap**, significantly improving user experience and operational efficiency
- Engineered centralized attendance system reducing administrative processing time by **40%** with real-time status updates for parents and guardians
- Designed and implemented online application portal with real-time tracking, reducing application processing time by **50%**
- Optimized frontend performance through code splitting, lazy loading, and efficient state management, reducing page load times by **35%**
- Collaborated with backend teams to integrate Java-based REST APIs ensuring smooth data synchronization across multiple modules
- Participated in Agile sprints, code reviews, and mentored junior developers on best practices

Internship Trainee *Feb 2021 – Nov 2021*
Lara Technologies Pvt Ltd Bengaluru, Karnataka

- Gained foundational experience in full-stack development using React.js, JavaScript, HTML5, CSS3, and Java
- Contributed to enterprise web applications with focus on responsive design and cross-browser compatibility
- Learned industry best practices in version control (Git), code documentation, and collaborative development workflows

KEY PROJECTS

ERP System *React.js, Material UI, Bootstrap, Java, REST API, Struts*

- Developed comprehensive Enterprise Resource Planning system managing multiple administrative modules for educational institutions
- Built responsive frontend interfaces with Material UI and Bootstrap ensuring seamless cross-device user experience
- Integrated Java REST APIs and Struts framework with role-based access control and real-time data synchronization

Online Application Portal *React.js, Material UI, Bootstrap, Java, REST API*

- Developed complete frontend interface with intuitive multi-step forms enabling online course applications
- Implemented responsive design with Material UI and Bootstrap for seamless cross-device experience
- Integrated Java REST APIs for form submission, document upload, and real-time application status tracking

AI Attendance Camera *Spring Boot, Java, REST API*

- Contributed to API development using Spring Boot enabling automatic attendance tracking system for classrooms
- Built REST APIs to process camera data and automatically mark attendance, eliminating manual roll calls and enabling real-time monitoring

Student Login Portal *Struts Framework, Java*

- Developed self-service portal using Struts for viewing attendance, class periods, exam results, and leave management
- Created responsive interface serving **10,000+** students with **99.9%** uptime and optimized load times

Centralized Data Management System *React.js, TypeScript, Material UI*

- Architecting centralized platform with TypeScript for managing yearly academic and administrative reports
- Optimized UI performance through lazy loading, code splitting, and efficient state management
- Built API-driven dashboards providing real-time insights and data visualization for administrative decision-making

Digital Evaluation System *React.js, Material UI, Reactstrap*

- Building frontend for online exam script correction system with intuitive UI for efficient grading workflows
- Implemented features for bulk evaluation, comment annotation, and automated score calculation

EDUCATION

Bachelor of Computer Application (BCA) *2019 – 2021*
Periyar University, Tamil Nadu

Higher Secondary Certificate (HSC) *2017 – 2018*
State Board of Higher Secondary Examinations, Tamil Nadu