Kishorekumar K J

Front-End Developer - React.js
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EDUCATION

BANNARI AMMAN INSTITUTE OF TECHNOLOGY
BE Electronics and Communication
Erode, Tamil Nadu
Cum.GPA: 8.68 | Grad:June 2022

T.M.H.N.U MATRIC HR.SEC
Theni, Tamil Nadu
HSC - **88%** (2018)
SSLC - **96%** (2016)

SKILLS

LANGUAGES
JavaScript • HTML5 • CSS3

FRAMEWORKS & LIBRARIES
React.js • Redux Toolkit • Context API • React Hook Forms • React Router • React Query • RestAPI • jQuery • Tailwind CSS • Bootstrap

DATABASE
PostgreSQL

CLOUD
Azure • Netlify • Vercel

TOOLS & PLATFORMS
Git • GitHub • Supabase

METHODOLOGIES
Agile (Scrum)

LINKS

Github:// **kishorekj-dev**
LinkedIn:// **KishorekumarKJ**

COURSEWORK

UNDERGRADUATE
Object-oriented programming (OOPS)
Functional Programming
Operating Systems
Microprocessors & Microcontrollers

PATENT

WASHBOT | Smart Handwash and Sanitization Monitoring Device
Application Number : 202241032432

PROFESSIONAL EXPERIENCE

MPHASIS LIMITED | Software Engineer L3 June 2022 - Present
Bangalore, India
Client : An American Multinational conglomerate holding company (Logistics)

- Built core front-end components for a React-based web application supporting logistics operations, enabling users to manage preferences and download data; improved form validation and **state management**, reducing redundant data input by 50%.
- Increased code implementation efficiency by 55% by applying key React.js strategies to simplify and streamline business-level logistics operations, significantly improving project turnaround time.
- Improved UI performance by 60% by identifying bottlenecks, leveraging technologies like **Context API** and **React Hooks**.
- Achieved a significant reduction of up to 40% in loading time by optimizing components and effectively using **React lifecycle methods**.
- Applied **React Router** for efficient client-side routing, enhancing navigation flow and improving overall user experience in the web application.
- Enhanced **API integration** in React app, reducing API call errors by 30% through stronger error handling, optimized data fetching, and caching—boosting reliability and manifest delivery accuracy.
- Utilized **Redux Toolkit** for scalable state management across multiple components, reducing prop-drilling and improving maintainability in large-scale applications.
- Implemented lazy loading and codesplitting ,reducing initialbundle size and improving apploadtime.
- Enhanced unit testing coverage using Jest, leading to a significant decline in production bugs.
- Collaborated within **Agile Scrum** teams, participating in sprint planning, daily stand-ups, and sprint reviews to ensure iterative delivery of high-quality features.

PROJECTS

WASHBOT (Apollo)

- Engineered a Hand Wash Monitoring System for hospital use to improve hygiene compliance and support infection control efforts across departments.
- Implemented Deep Learning algorithms, including **Convolutional Neural Networks** (CNN), achieving **95%** accuracy in real-time monitoring of handwashing compliance, with data processing speeds under 2 seconds per detection.
- Secured **$25,000** in funding and awards, earning recognition from hospitals and media outlets for innovation in healthcare.

AWARDS

2022	2nd	IEI Hackathon V1.0 by SRM
2020	Runner-UP	Smart India Hackathon - DRDO
2020	Winner	Samadhan COVID Mega online Ideathon by MHRD
2020	3rd	Hack and Tackle 2.0
2019	Winner	Smart India Hackathon - Apollo