

VISHNU K

FRONT-END DEVELOPER

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SUMMARY

Front-End Developer with 3.5 years of hands-on experience in developing responsive and high-performance web and mobile applications using React.js, React Native, and Next.js. Proficient in building reusable component-based architecture, integrating RESTful APIs, and applying modern front-end development best practices. Skilled in UI/UX design, performance optimization, and cross-platform development. Strong collaborator with experience in Agile teams, delivering scalable and maintainable solutions.

TECHNICAL SKILLS

Frontend: React.js, Next.js, React Native, JavaScript, TypeScript, HTML5, CSS3, Material UI, Styled Components, Responsive Design, Micro-Frontend Architecture with Module Federation

State Management: Redux, Context API

API & Data Handling: RESTful APIs, GraphQL, Axios, Fetch

Testing & Optimization: Jest, React Testing Library, Lazy Loading, Code Splitting, React.memo, useMemo, useCallback,

Tools & Platforms: Git, GitHub, GitLab, Postman, VS Code, SonarQube, Android Studio, Expo

Build & Deployment: Webpack, CI/CD Pipelines

CMS & Integration: Adobe Experience Manager (AEM)

Development Methodologies: Agile, Scrum

PROFESSIONAL EXPERIENCE

Tata Consultancy Services (TCS), Kochi

Jan 2022 - Present

- Developed scalable web and mobile applications using React.js, React Native, and Next.js, delivering high-performance and responsive solutions.
- Migrated legacy e-commerce platforms (e.g., Tractor Supply) to React + Next.js, for SEO and Performance improvement .
- Built reusable UI components using React Hooks, Material UI, and TypeScript, promoting modular architecture and reducing duplicate codes.
- Implemented Module Federation across micro-frontends to share components and improve build efficiency by 25%.
- Integrated GraphQL, Redux, and Context API for efficient data fetching and state management.
- Connected frontend with AEM CMS, enabling dynamic content updates and reducing manual interventions.
- Developed Android app from scratch (MICHAEL'S) using React Native, working closely with design and backend teams to ensure consistent UX.
- Built personal projects like SHOWTIME, a TMDB-powered movie app with YouTube trailers and custom UI using React Native and Axios.
- Followed Agile methodology, participating in sprint planning, daily stand-ups, and retrospectives.
- Ensured high code quality and coverage through unit/integration tests with Jest and React Testing Library.
- Deployed and maintained applications via CI/CD pipelines, ensuring smooth release cycles.
- Collaborated with cross-functional teams, including designers, QA, and backend developers, to deliver end-to-end features.

EDUCATION

Bachelor of Technology (B.Tech)

Aug 2016 – Sep 2020

Rajiv Gandhi Institute of Technology, Kottayam

- Electrical and Electronics Engineering

PROJECTS

Tractor Supply – E-commerce Platform Migration [Tractorsupply.com](https://tractorsupply.com)

React.js | Next.js | TypeScript | Material UI | Redux | GraphQL | AEM

- Migrated the legacy e-commerce site to a modern React/Next.js stack. Focused on building scalable UI components, MicroFrontend Architecture, and sharing common modules using Module Federation. Integrated AEM for dynamic content and improved site performance and SEO.

MICHAEL'S – Android Shopping App

React Native | JavaScript | CSS | GitLab

- Developed an Android app from scratch using React Native. Focused on UI development, API integration, and performance optimization. Worked closely with the backend team to ensure a seamless shopping experience.

SHOWTIME – Movie Info App (Personal Project)

React Native | Axios | TMDB API | React Navigation

[GitHub Repo](#) | [APK Download](#)

- A movie discovery app with YouTube trailer playback and TMDB integration. Features include categorized listings, search functionality, and smooth navigation using React Hooks and Expo.

Netflix Web App (Clone) (Personal Project)

React.js | Axios | CSS | TMDB API

[GitHub Repo](#)

- Cloned Netflix UI with movie category sliders, trailer previews, and responsive layout. Integrated TMDB API to fetch and display trending media content dynamically.

OLX Web App (Clone) (Personal Project)

React.js | Firebase | CSS

[GitHub Repo](#)

- Developed a clone of OLX with features like product listing, user authentication, and image uploads using Firebase Auth and Firestore database.

Personal Portfolio Website

Next.js | Material UI | Styled Components

[GitHub Repo](#) Link : [Vishnu Kalangadan](#)

- Built a responsive portfolio showcasing projects, experience, and skills using modern frontend tools. Designed with MUI, custom themes, and scroll-based navigation.

ADDITIONAL INFORMATION

- **Languages:** English, Malayalam, Tamil, Hindi

- **Awards/Activities:**

1. On The Spot Award 01-APR -2025
2. Service & Commitment Award 27-JAN-2025
3. On the Spot (Team) Award 17-DEC-2024
4. On the Spot (Team) Award 28-OCT-2024
5. On The Spot Award 19-JULY -2024
6. Elevate Wings Award 29-JAN-2024
7. Elevate Wings Award 29-AUG-2023