

# VISHNU K

## FRONT-END DEVELOPER

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### SUMMARY

Front-End Developer about 4 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