Iresh Maharjan

Software Engineer

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Experienced Senior Software Engineer specializing in cross-platform mobile and modern web development using React Native, Next.js, and TypeScript. Proven track record of leading teams, architecting scalable applications, and delivering production-ready features with a strong focus on performance, accessibility, and developer experience. Proficient in CI/CD, serverless infrastructure, mobile testing, reusable UI systems, and cloud-native technologies.

EXPERIENCE

Senior Software Engineer, *Zeroone Labs* 2023 – Present

Projects: Hire2, Rippls, Futureproof , HealixAI

- Developed cross-platform mobile applications using React Native.
- Built performant, serverless web applications with Next.js deployed on Vercel.
- Designed reusable UI systems with Tamagui and implemented scalable state management using Jotai.
- Worked on media management using Cloudinary and implemented DICOM image viewing using Cornerstone tools in a Next.js project.
- Created and deployed serverless functions using Golang on Vercel for backend services.
- Worked with Neon database for scalable, serverless data storage.
- Worked with PocketBase and implemented typed APIs with tRPC.
- Integrated mobile testing using Maestro and web testing with Playwright.
- Automated workflows using GitHub Actions and enforced code quality with ESLint.
- Managed mobile CI/CD using Expo and handled content delivery with Sanity and GraphQL.

Skills: *React Native, Next JS, TypeScript, Tailwind CSS, GraphQL, Sanity, Jotai, Tamagui, Playwright, Maestro, Expo, Vercel, PocketBase, tRPC, ESLint, GitHub Actions*

Senior Software Engineer, *Machnet Inc.* 2022 – 2023

Projects: *Muthoot* , *Transfapay*

- Participated in app architecture planning and design.
- Reduced deployment overhead by integrating OTA updates via CodePush.
- Led a cross-functional team including 2 React Native developers, 1 designer, and 2 QAS.
- Focused on bug fixes, app stability, and implemented new features such as biometric login and native gestures.
- Delegated tasks and resolved client- and QA-reported issues.
- Integrated deep linking with app schemes and universal links.
- Modified native modules for custom UI components.

Software Engineer, *Machnet Inc.* 2020 – 2022

Projects: ChoiceRemit , PrabhuOnline , Firmpay

- Designed and built fintech applications for mobile platforms.
- Redesigned and redeveloped legacy codebase using React native navigation, typescript and redux.
- Published more than 8 apps across iOS and Android platforms.
- Implemented app localization in multiple languages.
- Wrote unit tests with Jest and integrated Sentry for error tracking.

- Released apps to the Apple App Store and Google Play Store.
- Managed CI/CD with App Center and Jenkins.

Skills: *React Native, TypeScript, Swift, Android, Xcode, Redux, Sprint Planning, Jira, Jenkins, Git, Figma, Axios*

Software Engineer, *Janata Technologies* 2018 – 2020

Projects: *Move Ride, Move Ride Partner*

- Developed ride-sharing apps in a small agile team.
- Created accessible, animated UI components.
- Integrated real-time geolocation, animated maps, and markers.
- Used Axios to consume REST APIs and worked with Swagger for API documentation.
- Built Redux-based architecture and native navigation.
- Integrated Firebase features: real-time database, notifications, crashlytics, analytics.
- Implemented real-time chat using sockets and safety features like live tracking, voice/video recording.
- Built native modules for payment gateways like eSewa and Khalti.

Skills: *React Native, JavaScript, Swift, Android, Xcode, Android Studio, Axios, Swagger, Adobe XD*

EDUCATION

Master of Science: Information Technology, *Leeds Beckett University* 2021 – 2023

Bachelor of Engineering: Information Technology, *Pokhara University* 2014 – 2018

TECHNICAL SKILLS

Languages & Frameworks
React Native, Next.js, TypeScript, JavaScript, Swift, Android (Java/Kotlin), Redux, Tailwind CSS

Testing & Quality
Playwright, Maestro, Jest, ESLint

State Management
Jotai, Redux

Backends & APIs
GraphQL, tRPC, PocketBase, Firebase, Swagger, Axios, Sentry

CI/CD & DevOps
Vercel, GitHub Actions, Jenkins, App Center

Design Systems
Tamagui, Tailwind CSS

Tools & Platforms
Visual Studio Code, Xcode, Android Studio, Figma, Git, GitHub, Postman, Expo CLI, Terminal, Jira, Notion

LANGUAGES

English

Nepali

ACHIEVEMENTS

Conducted workshop on React Native,
Prologic Solutions

2019

- Conducted a hands-on workshop introducing participants to React Native, covering components, state management, navigation, API integration, and UI design. Helped attendees build a fully functional application from scratch, progressing from foundational concepts to advanced implementation.

Topics Covered: *UI design, user input handling, navigation, API integration*.

CERTIFICATIONS

- The Ultimate Next JS Course (2024)
- Professional Training on Java Programming (2017)
- Cisco Certified Network Associate (CCNA) (2014)
- Namaste React (2024)
- Mobile App Development - Android (2017)
- Microsoft Windows Server Administration (2014)