

ANKIT DHAWAN

Senior Software Engineer

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I am a Senior Software Engineer leading the Mobile team at EmployWise since September 2022. I manage and enhance 3 production mobile applications, driving new feature implementation to improve user experience. With expertise in React Native and mobile application development, I deliver robust and scalable solutions. My leadership ensures timely updates and seamless maintenance of critical apps, leveraging my strong technical skills to meet organizational goals efficiently. I am passionate about optimizing mobile platforms and excited to contribute my proven track record of managing multiple applications simultaneously to future challenges.

SKILLS

- Mobile Application Development
- Android
- Ui/Ux
- TypeScript
- Application Optimization
- Android Studio
- Firebase
- React Native
- Github
- Mobile Application Testing
- Figma
- App Security
- AWS
- AI assisted coding
- iOS
- React.js
- Javascript
- Redux
- XCode
- Keycloak

WORK EXPERIENCE

Senior Software Engineer - Global Groupware Solutions

Apr 2024 - Present

- I built a **company-specific, spec-driven development** architecture for **AI-assisted coding using AI IDEs**, ensuring more consistent and accurate code generation aligned with our project requirements.
- **Led the Mobile team** in designing and developing a tablet-based attendance application from scratch, leveraging face recognition technology for secure and accurate user check-ins.
- Architected a modern mobile application for the existing platform, introducing a **microservices-based backend** to improve scalability, modularity, and maintainability.
- Designed and implemented **end-to-end CI/CD pipelines**, including **automated build, testing, and deployment processes** for both Android and iOS.
- **Developed Over-the-Air (OTA) update mechanisms** to deliver app updates seamlessly without requiring manual user intervention.
- Collaborated with backend and QA teams to integrate environment-specific configurations, feature flags, and version control for development, staging, and production environments.
- **Created automated testing scripts** and frameworks to ensure app reliability, early bug detection, and consistent performance across devices.
- Implemented robust mobile security measures, including **SSL pinning**, secure storage, and **encrypted data handling** to safeguard user data and authentication.
- Worked on a web portal to develop new features, dashboards, and screens, ensuring seamless integration with the mobile application.
- Implemented comprehensive error handling and fallback components across the application to ensure stability and a seamless user experience under various failure scenarios.

Software Engineer - EmployWise

Sep 2022 - Apr 2024

- Took full ownership of maintaining a **live production application**, ensuring stability, performance, and seamless user experience.

- **Independently redesigned and rebuilt the complete application UI**, improving usability, consistency, and visual appeal across platforms.
- Developed and delivered new features and screens based on evolving product requirements, aligning with business goals and user needs.
- Built a tablet application from scratch for a **face recognition-based attendance tracking system**, which is now deployed across India and supports over **15,000 daily active users**.
- Implemented a **multi-Redux store** architecture to support **multiple user logins within a single Redux instance**, enabling isolated state management for each session.
- Monitored and reviewed an **in-house machine learning tool** designed to detect spoof faces from images, helping improve the accuracy and reliability of the face recognition system.

Mobile Application Developer Intern - GrapeTown

Aug 2021 - Dec 2021

- Served as the founding engineer for a user-generated content (UGC) mobile application, contributing to core architecture and end-to-end development for both Android and iOS.
- Collaborated closely with backend and design teams to translate product requirements into scalable, high-quality mobile features and deliver the MVP on schedule.
- Implemented key UGC workflows including media capture, uploads, content feeds, and user interactions, optimized for early-stage performance and usability.
- Managed App Store and Play Store deployments, including provisioning, signing, testing builds, and coordinating early access releases.
- Implemented offline-first features with local caching, background sync, and error handling for reliable mobile performance.
- Integrated environment-specific configurations for development, staging, and production, ensuring seamless builds, feature toggles, and deployment workflows across multiple environments.

PROJECTS

react-native-rnflow

4 Days

[RNFlow](#) is a powerful React Native component for creating interactive tree diagrams and flow visualizations.

rn-env-setup

3 Days

[rn-env-setup](#) is a dynamic react native plugin to set up and manage multiple React Native environments (like dev, staging, prod) from one config file.

EDUCATION

2023 B.Tech/B.E. | Computers

Maharshi Dayanand University, Rohtak

Grade - 8.3/10

PUBLICATIONS

iOS Dynamic Island using React Native

Authored an article on effectively leveraging and customizing the Dynamic Island feature on iOS devices to enhance user experience.

React Native Security

Authored an article on React Native security best practices, covering secure storage, SSL pinning, and strategies to protect mobile applications from common vulnerabilities.

Multiple Redux Store

Authored an article on managing multiple Redux stores in React Native, covering strategies for state isolation, modular architecture, and scalable state management.