Ravi Dubey

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Summary

Software Engineer with 2+ years of experience building and shipping production mobile applications using React, React Native, TypeScript, and Android tooling. Owned production apps with 10,000+ downloads serving 3,554 enrolled students, specializing in native SDK integrations, performance optimization, offline caching, and Google Play releases.

Work Experience

Dnyandeep Foundation Centre Remote
Software Engineer 1 (Mobile) Apr 2025 - Oct 2026
React Native Developer (Full-time Intern) Dec 2024 - Apr 2025

- Independently owned development, native builds, Play Store releases, and maintenance for **DFC** (**10,000+ downloads**; used by all **3,554 enrolled students**) and **AptiBooster** (**1,000+ downloads**).
- Engineered ground-up TypeScript rewrite of DFC, cutting crash rate by **10.36% vs. pre-revamp baseline (to 0.1%)**; unified student, teacher, and admin roles with offline caching on a single Play listing.
- Improved production p90 app startup time from **894 ms to 794 ms** through Firebase Performance profiling and startup refactoring; implemented contextual Crashlytics logging and Axios interceptors for improved error monitoring and recovery.
- Built AptiBooster post-test analysis UX with peer comparison and downloadable reports; wired TanStack Query with selective MMKV persistence for responsive offline caching.

IKIOR Services Pvt Ltd Remote
Software Engineer Intern May 2023 - Nov 2023

- Translated Figma designs into React Native UIs for period tracker with cycle calendar, health logs, and daily insights.
- Added a multi-step period-report flow; used Redux Toolkit for data and Context API for authentication and localization.
- Implemented a Reels-style video feed with `react-native-video` and Health, Care, and Sleep modules.

Projects

DFC | Case Study ↗

- Modularized **161 MB Zoom Meeting SDK** into an on-demand Android Dynamic Feature Module; reduced base download from **177 MB to 15.9 MB**, with R8/ProGuard further reducing the Zoom-free base from **21.02 MB to 15.9 MB (24.36%)**.
- Reduced Home idle JavaScript heap usage by ∼**5 MB** in internal profiling through lazy-loaded navigators.

Tech Stack: React Native, TypeScript, Android, Firebase, Google Play Console, TanStack Query

AptiBooster | Case Study ↗

- Built stateful live test engine tracking question revisits and timer telemetry for peer scoring; integrated Razorpay SDK for subscriptions unlocking full syllabus beyond a 2-chapter trial.
- Shrank production release from **23.7 MB to 20.4 MB** (−13.9%) via ProGuard/R8, and resolved low-end Home cold-start freeze via deferred loaders and streamlined startup (Home JS CPU **29.1%** → **2.8%**, ∼**108 MB lower PSS**).

Tech Stack: React Native, TanStack Query, MMKV, Razorpay SDK, Microsoft Clarity

Certificate Generator (*Personal Project*) | Try Live ↗ | GitHub Repo ↗

- Developed full-stack certificate management platform processing **400+ certificate requests** and generating **466+ certificates**; integrated RESTful CRUD workflows, Google Drive API cloud storage, and responsive Tailwind CSS dashboard.

Tech Stack: React.js, Node.js, Express.js, MongoDB, Google Drive API, Tailwind CSS

Technical Skills

Frontend :	React.js, Next.js, React Native, TypeScript, JavaScript, Tailwind CSS, HTML, CSS
Backend :	Node.js, Express.js, REST APIs, Java
Database :	MongoDB, MySQL
Tools & Platforms :	Git, GitHub, Figma, Postman, Android Studio, Firebase
AI IDEs :	Cursor, Antigravity

Education

Centre for Development of Advanced Computing, Noida Sep 2022 - Mar 2023
Post Graduate Diploma in Advanced Computing | Certificate ↗

SRMCEM, Lucknow Jul 2018 - Jun 2022
Bachelor of Technology

Certifications

- **JavaScript Algorithms and Data Structures** | *freeCodeCamp* | Credential ↗