# Andi Rayka

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## PROFESSIONAL SUMMARY

Senior Mobile Engineer with **7 years** of experience building, scaling, and shipping production mobile applications, specializing in React Native and Expo. Experienced in mobile architecture, offline-first development, state management, automated testing, and release automation. Proven track record of leading development teams, optimizing performance, and delivering cross-platform applications across multiple industries. Currently driving mobile engineering and AI-assisted development workflows at Hyperscal to improve code quality, documentation, and delivery efficiency.

## EXPERIENCES

**Mobile Developer | Hyperscal | Full Time** ***Aug 2026 - Present***

- Building a React Native/Expo application used by field technicians, shipped to Android behind a **feature flag** for gradual migration.
- Own the workflow's client architecture using Zustand, TanStack Form, Zod, Expo Router, and an **offline-first data layer** for technicians working with unreliable connectivity.
- Strengthened delivery quality with Vitest + MSW integration tests, **Maestro E2E tests**, recorded Maestro test runs for reproducible QA evidence, Fastlane releases to Google Play, and automated type-aware lint/format gates on every PR.
- Driving R&D on an AI-agent-assisted engineering workflow using repository-committed agent skills, spec-first phased PRs, explicit verification criteria, automated review gates, and engineering documentation designed for both developers and coding agents.

**Frontend Developer | Songstats | Full Time** ***Mar 2025 - Mar 2026***

- Built playlistcheck.com from scratch and resolved **5+ performance bottlenecks** by eliminating redundant API requests and introducing lazy loading, reducing page-load time by approximately **2 seconds**.
- Built and shipped 10+ responsive, interactive Highcharts visualizations for the Songstats analytics dashboard across desktop and mobile layouts.
- Reduced implementation time by an estimated **25%** through structured Codex-assisted development while **manually reviewing** generated changes against project architecture, file structure, and styling conventions.

**Mobile Developer | Mabaat | Freelance** ***Jan 2025 - Mar 2026***

- Delivered 5+ core hotel-booking features in React Native, including **map-based property discovery**, date selection, cart, ordering, and settings flows from Figma designs.
- Reduced unnecessary network requests by implementing Redux Toolkit **caching** so previously fetched data could be reused instead of repeatedly refetched.
- Improved perceived loading performance on content-heavy screens through **progressive rendering**, prioritizing above-the-fold components before lower-priority content.

**Founding Frontend Developer | ABBA | Full Time** ***May 2024 - Dec 2024***

- **Led a team of 3 developers** to architect and build a cross-platform scheduling system from scratch using Next.js, React Native/Expo, Tamagui, tRPC, and Hono.
- Solved the company's primary scheduling bottleneck with geolocation-based cleaner assignment, reducing manual routing time from **~7 minutes to ~20 seconds** per booking (**~95% faster**).
- Built automated conflict detection and worker time-blocking, **eliminating ~6 minutes** of manual scheduling checks per assignment while preventing overlapping worker allocations.

**Mobile Developer | Freelance** *Mar 2023 - May 2024*

- Architected and shipped Ecoloop Partner from zero to production, owning UI implementation, application logic, REST API integration, and Google Play deployment.
- Maintained and expanded Maideasy, a Malaysian domestic-helper marketplace with **50K+ downloads**, delivering features, fixing production issues, and refactoring existing React Native code.
- Developed and maintained Nusapay Merchant used for money transfer by merchants in Indonesia, and rebuilt the consumer-facing **Nusapay User** app.

**Mobile Developer | PT Azimuth Solusi | Freelance** *Nov 2023 - Mar 2024*

- Architected and built a React Native application from scratch to digitize manufacturing-progress and production-history **time tracking**.
- Built a manufacturing timer supporting start, rest, resume, and data-entry flows using Redux Toolkit and REST API synchronization, alongside authentication, role-based features, forms, cached data views, and detailed records.

**Mobile Developer | Badr Interactive | Freelance** *Aug 2022 - Dec 2022*

- Contributed to the KPBU mobile application for Indonesia's Ministry of Finance, translating UI/UX designs into production React Native components and integrating REST APIs and application state.
- Delivered features through dedicated Git branches and Pull Requests, using **SonarQube** to identify code-quality issues before changes were merged.

**Mobile Development Lead | NodPay | Freelance** *May 2021 - Sep 2021*

- **Led 1 mobile developer** in building a fintech application for the **Pakistani** market, guiding architecture, task breakdown, deadlines, and implementation of core money-transfer functionality.
- Managed delivery through a Kanban workflow in Trello and coordinated development milestones across the team.

**Mobile Development Lead | KomputerKit | Internship** *Jul 2021 - Sep 2021*

- **Led 2 intern developers** to build LesinAja, an edtech application connecting students and tutors, from requirements to a production-ready MVP within 3 months.
- Owned **user interviews**, requirement and flow documentation, UI/UX mockups, iterative MVP delivery, and concurrently developed the web counterpart to maintain feature parity **across mobile and web**.

**Mobile Developer | PT Integra Teknologi Solusi | Full-time** *Jul 2019 - Apr 2021*

- Progressed from Junior Mobile Application Developer to Mobile Application Developer while building production React Native applications **from scratch**.
- Built and launched a mail and disposition application end-to-end, from UI implementation and REST API integration through **Google Play Store release** and production maintenance.
- Integrated **Google Analytics** to track page usage and identify frequently visited areas, and contributed to a merchant-profile website using React.js.

## SKILLS

- **Mobile Development:** React Native, Expo, Expo Router, Android, Cross-Platform Development
- **Frontend Development:** React.js, Next.js, TypeScript, JavaScript
- **State & Data Management:** Zustand, Redux Toolkit, REST API, tRPC, Offline-First Architecture, Data Caching
- **Testing & Quality:** Maestro, Vitest, MSW, E2E Testing, Integration Testing, SonarQube
- **Performance & Mobile Features:** Performance Optimization, Progressive Rendering, Geolocation, Maps, Background Workflows, Offline Workflows
- **Deployment & Tooling:** Google Play, Fastlane, CI/CD, Git, Feature Flags
- **Architecture & Engineering:** Application Architecture, Technical Documentation, Spec-First Development, Code Review

- **Leadership & Collaboration:** Technical Leadership, Mentoring, Task Breakdown, Cross-Functional Collaboration

## EDUCATIONS

**Politeknik Elektronika Negeri Surabaya | Computer Science | CGPA: 3,5** ***2019 - 2023***