

Alexander Zakalsky

Senior React Native Engineer

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SUMMARY

React Native engineer with seven years of cross-platform delivery. Cut screen-load time 70 percent and held production crash rate at 0.1 percent across a monorepo of 10+ applications at Social Discovery Group; shipped Socios to 2M+ registered users at Chiliz; rewrote a 100K-install e-commerce app from a legacy codebase to modern React Native. Writes native modules in Swift and Kotlin when JavaScript is not enough: BLE, biometrics, background execution. Based in Uruguay with full US business-hours overlap, invoicing through a Uruguayan sole proprietorship.

SELECTED IMPACT

- **70 percent faster screen loads and 0.1 percent crash rate** across 10+ React Native applications in a single monorepo at Social Discovery Group
- **2M+ registered users** on Socios.com at Chiliz, with the highest MVP velocity across all teams
- **100K+ downloads on Google Play** after a full rewrite of an e-commerce application from a legacy codebase to modern React Native
- **Three applications live in production stores today** across medical devices, Web3 and e-commerce

PROFESSIONAL EXPERIENCE

AION Biosystems

Lead Mobile Engineer

Dec 2025 - Present

Remote, USA

AION TempShield, an FDA-cleared, HIPAA-compliant skin-worn sensor tracking body temperature continuously for up to 60 days.

- Own the iOS and Android application end to end: BLE pairing with the patch, reading pipeline, threshold alerts, care-team sharing and store releases
- Built offline-first sync on WatermelonDB with native BLE and background modules in Kotlin and Swift, holding readings through hours without signal and uploading in batches on reconnect
- Integrated blood-pressure and SpO2 monitors plus a Moko BLE gateway for home setups
- Live on both stores: Google Play [us.aion.biosystems](https://play.google.com/store/apps/details?id=com.aion.biosystems), App Store [id1605962988](https://apps.apple.com/us/app/aion-tempshield/id1605962988)

Social Discovery Group

Senior React Native Developer

Jan 2024 - Dec 2025

Remote, Cyprus

Ten or more cross-platform projects in the social discovery space, each serving 5,000+ monthly active users, in a single monorepo.

- Achieved 70 percent faster screen-load times by restructuring architecture with code splitting, lazy loading and render optimisation, measured with the Hermes profiler
- Reduced production crash rate to 0.1 percent with Sentry and Crashlytics, clearing a backlog of 200+ issues and adding automated regression testing
- Improved delivery efficiency 20 percent through CI/CD with Fastlane, GitHub Actions and CodePush
- Led the state management migration from Redux to Zustand, reducing boilerplate by 40 percent
- Bridged native iOS and Android modules for biometrics with Face ID and Touch ID, BLE and camera access

Chiliz

Senior React Native Developer, Contract

Aug 2023 - Dec 2023

Remote, Malta

Socios.com, a Web3 fan-engagement platform with 2M+ registered users, across React Native mobile and React.js web codebases.

- Developed front-end components for web and mobile contributing to the platform's 2M+ user base and its crypto wallet integration
- Drove MVP completion with the highest velocity across all teams using TypeScript, Redux Toolkit, GraphQL with Apollo Client and WebSocket real-time data feeds
- Implemented push notifications through FCM and APNs plus deep and universal linking, increasing daily active users by 15 percent
- Live on Google Play as [com.socios](https://play.google.com/store/apps/details?id=com.socios) with 1M+ downloads

ClinicSoftware

React Native Developer, Full-Stack

Dec 2021 - Jul 2023

Remote, Romania

Sole frontend engineer on a healthcare mobile application taken from zero to MVP, with full-stack responsibility for API design and infrastructure.

- Designed the full-stack data layer for GDPR-compliant patient records: Node.js and Express REST API on PostgreSQL, JWT authentication, OAuth 2.0 and encrypted transport
- Implemented offline-first architecture with background synchronisation for clinicians working without connectivity
- Built identity verification through the device camera with OCR and a third-party KYC provider
- Set up CI/CD with GitHub Actions, Fastlane, Jest and Detox, reducing manual QA effort 30 percent
- Mentored 2 junior developers to mid-level through code review and pair programming

Complex Cloud Solutions

Full-Stack Developer

May 2021 - Dec 2021

Remote, Turkey

- Built a performant photo editor with gesture-driven animations using Reanimated and Gesture Handler, holding 60 FPS on both platforms
- Developed an end-to-end payment system on Node.js, Express, PostgreSQL and React Native, integrating 2 point-of-sale systems (iiko, R-Keeper) over REST and webhooks

Tiande

React Native Developer

Sep 2019 - May 2021

Remote, Czechia

E-commerce mobile application with 100K+ installs across iOS and Android.

- Led the full rewrite of a 100K-install codebase to modern React Native with TypeScript, functional components and React Hooks
- Shipped offline mode on AsyncStorage and SQLite, push notifications, in-app purchases through StoreKit and Google Play Billing, and geolocation services
- Optimised performance with FastImage caching, list virtualisation, memory leak fixes and Hermes adoption
- Live on App Store [id1248325926](https://apps.apple.com/cz/app/tiande/id1248325926) and Google Play [com.tiandeapp](https://play.google.com/store/apps/details?id=com.tiandeapp)

TECHNICAL SKILLS

Mobile React Native (New Architecture: Fabric, TurboModules, JSI, Hermes, bridgeless), Expo, EAS, Reanimated, Gesture Handler, React Navigation, MMKV encrypted storage, FastImage, CodePush over-the-air updates, deep and universal linking, push notifications through FCM and APNs, native modules and bridging in Swift and Kotlin, BLE, biometrics, background execution

Performance Hermes profiling, render optimisation, list virtualisation, code splitting and lazy loading, memory leak analysis, bundle size reduction, 60 FPS animation work

Full-stack React, Next.js, TypeScript, Redux Toolkit, Zustand, React Query, GraphQL with Apollo Client, WebSocket, Storybook, Node.js, Express, NestJS, PostgreSQL, MongoDB, Redis, JWT, OAuth 2.0

Delivery and quality Fastlane, GitHub Actions, Bitrise, Docker, AWS (S3, Lambda, CloudFront), Jest, Detox, Maestro, React Native Testing Library, Sentry, Crashlytics, Mixpanel, Firebase Analytics, code review, mentoring, regulatory compliance in medical and financial products

EDUCATION

Finance University, Moscow — Associate's Degree, Computer Science, Sep 2016 - Jun 2020

CERTIFICATIONS

React Native — Meta, on Coursera, Aug 2023 · coursera.org/verify/8EU2LQ7LNN74

LANGUAGES

English (Full Professional) · Spanish (Professional Working) · German (Limited Working)