MICHAEL LUSTIG

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PROFESSIONAL SUMMARY

A seasoned software engineer with a diverse technical background and a passion for problem-solving, I have spent years refining my skills across multiple platforms including React Native, Android, iOS, and web development. I have led teams at companies such as Prosper Marketplace, Bakkt, and Sam's Club, demonstrating not only technical expertise but also leadership and innovation. A lifelong learner and educator, I have co-founded a top-charting Android app and developed industry-standard libraries, while also sharing my knowledge through teaching and content creation.

EXPERIENCE

Ephemera   September 2024 – Present
Staff Software Engineer - React Native

· Developed a behavior control strategy using XState with dependency injection to reorganize feature packages and migrate backends in under 48 hours.
· Proposed and implemented Architectural Decision Records (ADRs) for standardized team decision documentation.
· Integrated Firebase App Check across React Native and backend systems to secure client requests.
· Designed a chat composer flow with user search, optimistic recipient lookup, and inline conversation assembly.
· Added React Query Dev Tools and established best practices for query management and data sanitization.
· Reorganized code to remove leaky abstractions from the XMTP SDK, introducing a dedicated client management class with a suspense boundary.
· Implemented advanced Web3 integration featuring passkey authentication, noncustodial wallet generation, and JWT-secured communications.

Jabra Hearing   August 2023 – September 2024
Senior React Native Engineer   *Fully Remote*

· Led integration of diagnostic tooling for Bluetooth-enabled hearing aids using XState.
· Resolved critical Bluetooth pairing issues affecting hundreds of users.
· Championed best practices in code architecture and testing, developing a proprietary library for seamless state sharing.
· Architected improved dependency management leading to easier testing and a demo mode implementation.
· Directed the upgrade from xstate v4 to v5.

Prosper Marketplace   March 2022 – August 2023
Staff Engineer   *Fully Remote*

· Led a company-wide initiative to establish a shared React component library.
· Created and maintained GitHub workflows for caching, testing, building, and releasing shared components.
· Implemented visual regression testing using Percy and Chromatic in close collaboration with Design and Product teams.
· Facilitated cross-team communication through "North Star" Front End meetings and standardized decision records.

Bakkt   November 2020 – March 2022
Fullstack Software Engineer   *Fully Remote*

· Directed the development of Bakkt Wallet and an Application Gateway Proxy.
· Standardized best practices and led significant refactoring efforts.
· Collaborated with design leadership to establish scalable DesignOps and applied Finite State Machines to system interactions.
· Integrated native modules for interfacing with Google Wallet and Apple Pay.

Sam's Club August 2020 – October 2020
React Native Engineer *Fully Remote*

· Led the 'MyClub' front-end team in instituting industry best practices including Prettier, ESLint, Storybook, and comprehensive testing frameworks.
· Refactored legacy components with modern React patterns and collaborated closely on feature development.

TCT Ministries January 2015 – July 2020
Android, iOS React Native Developer *Fully Remote*

· Led cross-platform development for media catalog and streaming applications, reducing codebase size using React Native and GraphQL.
· Built greenfield software solutions and managed app store listings for both Google Play and Apple App Store.

Team Treehouse October 2017 – February 2018
Android Guest Lecturer *Orlando, FL*

· Created and recorded courses on Firebase for Android, including modules on getting started, real-time chat application development, and UI styling.

Google January 2016 – December 2016
Android Subject Matter Expert & Course Creator *Mountain View, CA / Remote*

· Overhauled and improved the Android Fundamentals course developed with Udacity, enhancing clarity and practical engagement.
· Developed interactive TODOs, Python scripts, and toy applications to facilitate deeper learning and hands-on practice.

Bloc.io May 2015 – September 2017
Android Mentor *Remote*

· Mentored numerous students in Java and Android development, guiding portfolio creation and career preparation.

TV Portal - MiTechLT LLC May 2012 – September 2016
Founder, CTO, and Community Developer *Remote*

· Founded a top-charting Android app with over 2 million downloads and 27,000+ social media followers.
· Managed earnings exceeding $40K and maintained a high user rating with over 4,300 reviews. Open-sourced the application

FSU Mobile Lab January 2015 – December 2015
Project Manager

· Contributed to an open source mobile benchmark suite and managed contract bids for the Florida State Mobile Lab.

6voices, LLC June 2016 – August 2016
Android Developer

· Developed an Android native mobile application using Firebase Realtime Database for Amazon Echo Skills delivery.
· Managed application binaries and metadata on the Google Play Store.

NOTABLE PROJECTS

Proof of Listening Lead Fullstack / Smart Contract Developer
Solana Hackathon Submission

· Developed a cross-platform audio recognition and transcription system with automatic subtitling.
· Enabled Solana NFT minting as proof of content consumption.

- Integrated an IPython Notebook implementation, custom ShazamKit catalog, and a Swift server with WebSocket client management for dynamic mint pricing.
- **Demo:** [Watch here](#)
- **Technologies:** Solana, Rust, Python, Swift Kitura, ShazamKit, React, SwiftUI, whisper.cpp, ngrok, TypeScript, Firebase

mtnBooth Twitter Solana Pay Integration
Web Application — Lead Developer

- Created a web application for minting mtnFrens NFTs integrated with Twitter.
- **Technologies:** NextJS, Open Graph, Solana, Solana Pay

Breed Up
Mobile Application — Lead Developer / Project Manager

- Developed a location-based social platform for dog owners featuring pet breeding management.
- Implemented real-time database integration with Firebase and GeoJSON-based filtering.
- **Links:** [App Store](#), [GitHub](#)
- **Technologies:** React Native, Firebase, GeoJSON, TypeScript

Beauty Time
Mobile Application — Lead Developer / Project Manager

- Designed and developed an app for aestheticians to manage multi-step timing for treatments.
- Streamlined timer management for beauty services with an intuitive interface.
- **Link:** [GitHub](#)
- **Technologies:** React Native, Expo, Redux, Redux Saga, TypeScript, Firebase

Cookies By Us
E-commerce Platform — Lead Developer

- Developed a platform connecting custom bakers with clients, featuring a private chat system and order customization.
- Enabled real-time database operations and multimedia content storage.
- **Technologies:** React Native, Node.js, Firebase

Android Open Source Benchmark Suite
IEEE Publication — Contributor

- Modified open source Android applications for a benchmark suite, contributing to a deterministic testing framework.
- **Link:** [IEEE Publication](#)
- **Technologies:** Android, Java

EDUCATION

Florida State University   2011 – 2015
B.S. in Computer Science, Minor in Mathematics

- Focused on mentoring and teaching while completing the degree.

Udacity   Graduated 2014
Android Development Nanodegree

TECHNICAL SKILLS

Core Languages	TypeScript, JavaScript, React, React Native, Expo, Python, Swift, Java, Kotlin, Rust, Node.
Frameworks	React, Redux, XState, GraphQL, Apollo, NextJS, Express
Mobile	iOS (Swift, SwiftUI), Android (Java, Kotlin), React Native
Web3	Solana, Ethereum, Solana Pay, Smart Contracts, XMTP
Tools	Git, Docker, Firebase, CI/CD, GitHub Actions, Storybook, Jest, Cypress, Percy, Chromatic

AWARDS & RECOGNITION

Winner: Orlando ODevs XState 2023 Hackathon - NoIssue.

Inaugural Android Developer Career Summit Attendee (November 2015) by Google.

PUBLICATIONS & TUTORIALS

YouTube Educational Content:

- Firebase Tutorial Series: Watch here

- React Development Series: Watch here

- Swift/SwiftUI Tutorial Series: Watch here

Team Treehouse Courses:

- Getting started with Firebase on Android

- Build a realtime-chat application with Firebase

- Styles and Themes on Android