

MICHAEL LUSTIG

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PROFESSIONAL SUMMARY

Staff Software Engineer with extensive experience in React Native, Web3, and state management systems. Proven track record of leading teams in developing sophisticated cryptocurrency and blockchain applications. Expert in implementing complex state machines, real-time data synchronization, and secure authentication systems. Passionate about leveraging cutting-edge technologies to build scalable, user-centric applications.

EDUCATION

Florida State University

2011 – 2015

B.S. in Computer Science, Minor in Mathematics

- Focus on Software Engineering and Mathematics

TECHNICAL SKILLS

Core	React Native, React, TypeScript, JavaScript, XState, React Query, RxJS, Zustand
Web3	Solana, Ethereum, Smart Contracts, XMTP, Privy, Thirdweb, Passkeys, NFTs
Mobile	Expo, React Navigation, Swift, Java, Kotlin, Objective-C, Bluetooth
Backend	Node.js, Bun, GraphQL, Firebase, JWT, AppCheck, WebSockets, Docker, ngrok
DevOps	GitHub Actions, CI/CD, Testing (Jest, RTL, Percy), zod, Unleash

EXPERIENCE

Ephemera

September 2024 – Present

Staff Software Engineer - React Native

- Built onboarding flow with Passkeys, Privy, and Smart Ethereum Wallets for fee-free transactions
- Developed chat composer with seamless user search, optimistic updates, and conversation previewing
- Implemented JWT authentication with Firebase App Check to secure client-server communications
- Created dependency control pattern and reorganized codebase to package features
- Established React Query patterns for efficient state management and query persistence
- Led effort to establish best practice documentation via ADRs (Any Decision Record)

Jabra Hearing

March 2021 – September 2024

Senior React Native Engineer

- Led diagnostic tooling integration using XState for Bluetooth-enabled hearing aids
- Resolved critical Bluetooth pairing issues affecting hundreds of users through advanced debugging
- Architected dynamic dependency management system improving developer workflow and testing
- Developed proprietary framework agnostic state sharing library using Actor Model principles
- Implemented AB testing framework with Zod payload validation and automatic reporting
- Led upgrade from XState v4 to v5, improving state management across the application

Bakkt

August 2020 – March 2021

Fullstack Software Engineer

- Led development of cryptocurrency wallet and Application Gateway Proxy with GraphQL
- Implemented native Expo modules for Google Wallet and Apple Pay integration
- Applied Finite State Machines for complex crypto transaction flows and bank linking
- Fostered strong pair programming culture and standardized best practices
- Collaborated with VP of Design for scalable DesignOps workflows

TCT Ministries

January 2015 – July 2020

Android, iOS & React Native Developer

- Led cross-platform development for media catalog and streaming applications, reducing codebase size using React Native and GraphQL
- Migrated legacy Objective-C iOS and Java Android code bases to React Native
- Interfaced with leadership to establish product roadmap and technical direction
- Built greenfield software solutions and managed app store listings for both Google Play and Apple App Store

NOTABLE PROJECTS

NoIssue - XState Hackathon Winner

2023

Front-End Development Tool

- Developed a convenient front-end tool integrating with GitHub repositories to provide a comprehensive overview of issues
- Won the Orlando Developers Meetup & statel.ai XState Hackathon 2023
- **Technologies:** XState, React, GitHub API

Breed Up

Lead Developer / Project Manager

Mobile Application

- 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

Lead Developer / Project Manager

Mobile Application

- Designed and developed a sophisticated app for aestheticians to manage multi-step timing for treatments
- Created dual-timer feature for managing different treatments independently with intuitive UI
- Integrated searchable database for product-specific timing requirements
- **Link:** [GitHub](#)
- **Technologies:** React Native, Expo, Redux, Redux Saga, TypeScript, Firebase

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, garnering nearly 100 GitHub stars
- **Link:** [GitHub](#)

PERSONAL PROJECTS

GPT Custom Server

2024

AI Development Tool

- Pioneered early AI tooling by creating a server enabling ChatGPT to interact with local filesystem and run tests
- Implemented tunneling with ngrok for local development access and Docker containerization

Technologies: TypeScript, Express, Docker, ngrok, Bun, Jest, Bash

Proof of Listening

2023

Solana Hackathon Project

- Built cross-platform audio recognition system with Solana NFT minting capabilities
- Implemented dynamic mint pricing based on on-chain metadata
- Integrated ShazamKit and whisper.cpp for audio processing
- **Demo:** [Watch here](#)

Technologies: Solana, Rust, React Native, TypeScript, Firebase, ShazamKit, Swift Kitura, Python

Organic Software

2023 – Present

iOS Development Tool

- Created iOS SwiftUI application utilizing The Composable Architecture
- Implemented real-time speech transcription with on-device processing
- Built LLM processing pipeline for code modifications and PR generation

Technologies: SwiftUI, The Composable Architecture, OpenAI APIs, WebSockets, Apple Speech Framework