Thomas Robert Butler IV

Senior Software Engineer

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Work Experience

Senior Software Engineer – *GFX Labs (September 2025 - Present)*

- Drove frontend development for Oku, a multi-chain DEX aggregator processing **$2B+ volume** for **800k+ users** across **35+ chains**.
- Led the overhaul of UI development practices to a **design system-based approach**, unifying brand identity across products while mentoring junior developers and designers.
- Took full ownership of a greenfield trading interface for Plasma's **$2.4B token launch**, building a crypto trading application powered by Oku's meta aggregator.
- Established code review standards and **mentored junior engineers** on architecture and best practices, integrating tooling for designer review participation.

Tools: Typescript, React, Vite, Wagmi, Viem, Tanstack Router+Query, Jotai, Storybook, Chromatic, Golang, Linux, Kubernetes, PostgreSQL, Redis, Docker, Git/Github, Digital Ocean, Temporal, Nix

Senior Software Engineer – *Nakamoto LLC (January 2025 - June 2025)*

- Lead team of two engineers to compete in Bittensor subnets.
- Fine-tuned tool calling LLMs, **beating SOTA models** on Berkley Function Calling Leaderboard, and achieving **top 10% subnet performance**.
- Built and maintained infrastructure combining physical datacenter and cloud servers into a unified kubernetes cluster, delivering **high-performance auto-scaled AI inference**.
- Engineered concurrent microservices in Python and Golang that harvested **tens of millions of rows daily** from Reddit, Twitter, and Youtube for Bittensor subnet 13 (Data Universe).

Tools: Python, Golang, Rust, Linux, Kubernetes, Postgres, Redis, Docker, Git/Github, Huggingface, AWS, PyTorch, NumPy, Sglang, Vllm, AI Agents, ElizaOS, Daydreams

Mobile Engineer – *Tholos (October 2023 - January 2025)*

- Full ownership of both iOS and Android mobile applications for Tholos MPC Crypto Wallet, implemented in React Native and securing over **$35 Million** worth of digital assets.
- Worked across the entire stack, implementing critical systems including websocket and AWS secure enclave.
- Worked in a **blockchain agnostic stack**, supporting key management, signing, and web3 integration across Ethereum, EVM L2s (Polygon, Arbitrum), Bitcoin, Solana, and Cosmos.
- Implemented fault-tolerant key backup and recovery mechanisms across distributed mobile devices, with redundant safeguards ensuring **100% key recovery** even during network failures, device disconnects, or interrupted operations.

Tools: React Native, Native Wind, Expo, JavaScript/Typescript, Bash, Python, Go, Rust, Postgres, Redis, AWS, Docker, Git/Github, FastAPI

Co-Founder and Tech Lead – *ETHChicago (June 2023 - Present)*

- Co-Founder of ETHChicago, a Midwest Ethereum and Web3 community.
- Led the development of ETHChicago's initial website, integrating NFT ticketing infrastructure for **500+ attendees**.
- Built NFT releases for the community, working with local Chicago artists and philanthropies to raise money for local charities.
- Launched and managed ETHChicago's Starknet validator, pioneering a sustainable funding model for the Chicago crypto community.

Tools: React, Wagmi, Typescript, Solidity, Foundry, Hardhat, Storybook, Polygon, Ethereum, Chakra-UI, TailwindCSS, MaterialUI, Git/Github

Founder and CEO – *Suffix Labs (July 2023 - Present)*

- Founded Suffix Labs LLC to provide consulting and software development services.
- Built Web3 and smart contract applications for clients.
- Worked with remote teams to build frontends for crypto lending platforms and communities.
- Run two Starknet validators with over **$500k** in combined delegated stake.

Tools: React, Wagmi, Typescript, Solidity, Foundry, Hardhat, Slither, Storybook, Polygon, Ethereum, Chakra-UI, TailwindCSS, MaterialUI, Chromatic, Git/Github

Open Source Experience

Maintainer – *Starknet Phone (September 2024 - Present)* - Github

- Modified Starknet Light Client (Beerus) to compile to Android, and implemented Java bindings for the light client in Rust using Android NDK and JNI.
- Lead weekly community calls to coordinate contributors.
- Maintain leading OnlyDust project, supporting **15+ contributors**.

Tools: Android Studio, Java, Kotlin, C, Rust, NDK, JNI, Git/Github

Maintainer – *Cairo Zed Extension (July 2024 - Present)* - Github

- Developed and maintain the Cairo programming language extension for the Zed text editor, with **29,000+ users**.

Tools: Rust, Tree-Sitter, Language Server Protocol, Git/Github

Education

University of Iowa – BSE Computer Science and Engineering