

Thomas Robert Butler IV

Senior Software Engineer

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Summary

- **Education:** University of Iowa, BSE Computer Science and Engineering
- **Languages:** Python, C/C++, Go, Rust, Java, Kotlin, Solidity, Cairo, Javascript/Typescript, HTML, Verilog, x64 Assembly, Bash
- **Tools:** Linux, Git/Github, AWS, React, React Native, NextJS, Hardhat, Foundry, Postgres, Redis, Docker, Kubernetes, PyTorch, Starknet React, Wagmi, TailwindCSS

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**, establishing consistent brand identity across Oku and other GFX Labs products while mentoring junior developers and designers on the new workflow.
- 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, while integrating tooling to streamline designer participation in the review process.

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 an advanced concurrent microservice architecture in Python and Golang that harvested and processed **tens of millions of rows daily** from Reddit, Twitter, and Youtube, providing competitive edge in 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 complex and critical code across a multitude of systems, including websocket and aws secure enclave.
- Worked in a **blockchain agnostic stack**, supporting key management, signing, and web3 integration across numerous networks including Ethereum, the most popular EVM compatible blockchains and L2s (Polygon, Arbitrum, etc.), Bitcoin, Solana, and Cosmos ecosystem.
- 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 community built by and for the Ethereum, and greater Web3 ecosystem in the Midwest.

- 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.
- Consulted on and wrote software for various Web3/Smart Contract related projects.
- Worked asynchronously with multiple fully remote teams to build frontends for crypto lending platforms, services, 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.
- Hold weekly community calls to support contributors, sync on progress, and share project updates.
- Driving development for a leading project on the OnlyDust platform, maintaining the repository and 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