

TAEWOOK YANG

Frontend Engineer

Singapore · Employment Pass holder

woodylovesboota@gmail.com

woodylovesboota.xyz · github.com/Woodylovesboota

linkedin.com/in/taewook-yang-6762092a2

Frontend engineer with 5 years across web, mobile, and Web3 security. At TetherMax, drove the in-house rebuild of a global crypto platform's frontend — cutting LCP from ~5s to 2s and page bundles ~85–90% — and stood up the team's analytics and monitoring from zero. Earlier, audited 100+ smart contracts protecting \$5B+ in TVL — that's where my instinct for precision and security comes from.

SKILLS

Frontend — React · Next.js · TypeScript · React Native

State & Data — Zustand · TanStack Query · REST APIs · i18n

Backend & Observability — NestJS · Prisma · Supabase · Vercel · Sentry · Mixpanel · Amplitude

Web3 — Solidity · Hardhat · DeFi

EXPERIENCE

Frontend Engineer → Lead (2026) — TetherMax · Neovate

Jan 2024 – Present

Global crypto cashback platform · 100K+ users · Seoul, KR → Singapore

- Drove the core migration of 40+ pages from an outsourced codebase to an in-house Next.js 14 + TypeScript build within a 3–4 person frontend team — a full rebrand in 3 languages, shipped in 4 months with zero downtime.
- Cut LCP from ~4.98s to 2s (production data) and per-page JS bundles from ~2MB to 200–300KB via image delivery, code-splitting, API caching, and rendering optimizations — materially reducing monthly hosting costs.
- Shipped iOS and Android as a React Native + WebView hybrid (~90% code reuse); restructured the WebView layer to pre-warm instances, cutting in-app screen load from 2s+ to ~0.5s and enabling weekly releases with full UX parity.
- Stood up observability and analytics from scratch (Sentry, Mixpanel, Amplitude) — regressions caught and fixed before user reports.
- Defined team-wide static-vs-dynamic rendering criteria for Next.js App Router after diagnosing a stale per-user-data caching issue — zero recurrences since.

Military Service — Republic of Korea Army

Feb 2022 – Aug 2023

Mandatory national service

Smart Contract Security Auditor — HAECHI LABS

Oct 2019 – Dec 2021

Seoul, KR · Contract (Remote) Oct 2019 – Nov 2020 · Full-time Nov 2020 – Dec 2021

- Audited 100+ DeFi and ERC-20 contracts (PancakeSwap, 1inch, BadgerDAO, KlaySwap) securing \$5B+ in TVL — identifying 30+ critical/high-severity vulnerabilities pre-deployment.
- Built in-house Hardhat-based audit tooling adopted team-wide; designed and deployed 10+ Solidity contracts to Ethereum mainnet with zero post-deployment incidents.

PROJECTS

TongTong — Budgeting App for Couples

Solo · Live on Google Play

Next.js 16 · React Native · NestJS · Prisma · Supabase

- Designed a platform-split UX — mobile for sub-5-second entry logging (Reanimated/Gesture Handler with optimistic caching), web for in-depth reports; 1,000+ entries logged over 3+ months of daily use.
- Built and shipped the entire stack solo in 2 months — web client, cross-platform app, API server, and database.
- Ran an AI-augmented workflow across all layers — delegating scaffolding and rote implementation to AI agents while personally owning architecture, code review, and every product decision.

Discover Singapore — Fog-of-War Exploration Map

Solo

React Native · Expo · MapLibre · H3

- Rendered map fog as a single polygon with visited H3 cells punched out as holes — avoiding ~120k individual map features, bypassing React Native bridge bottlenecks, and eliminating pan stutter.
- Built a fully offline tile pack (zero runtime tile calls) and noise-hardened GPS dwell logic that drops >50m jumps, keeping discovery data trustworthy.

EDUCATION

B.S. in Electrical and Computer Engineering — Seoul National University

2015 – 2021