Priyasha Nandakumar Staff Web3 Developer

Singapore · priyasha.nandakumar@gmail.com · +65 8555 0193 · linkedin.com/in/priyashanandakumar

PROFILE SUMMARY

- **Staff Web3 Developer** with **12 years** in web and mobile engineering, **6 of them** on **a self-custody wallet** used on **web, extension and mobile** across **27 networks**.
- Technical depth in **TypeScript**, **React and React Native**, **viem**, **WalletConnect**, **EIP-7702 and ERC-4337**, and **Go** services on **Kafka** and PostgreSQL.
- Sets direction on **smart account migration**, **multi-chain RPC routing**, **signing risk checks** and **dApp connections**, using **design docs with threat models** and **staged rollouts** for changes that reach every user.
- Works across **4 product teams**, **security engineering** and **compliance**, and with outside wallet SDK and RPC vendors on roadmap and incident reviews.
- Runs the **web3 architecture review**, mentors **5 senior engineers**, and wrote the company's **signing UX standard** for any screen that asks a user to sign.

TECHNICAL SKILLS

Languages:	TypeScript, Go, JavaScript, Solidity (reading), SQL
Front-End Frameworks:	React, React Native, Next.js, TanStack Query, Zustand
Web3 Client Libraries:	viem, wagmi, ethers.js, @solana/kit, Solana Wallet Adapter
Wallet & Auth Kits:	WalletConnect, EIP-7702, ERC-4337, EIP-712, SIWE, passkeys (WebAuthn)
Indexers & RPC Providers:	In-house indexers, Alchemy, QuickNode, Infura, Dune
Chains & Networks:	Ethereum, Cronos, Base, Arbitrum, Solana, Polygon PoS
Back End & Testing:	Go, Kafka, PostgreSQL, Redis, Playwright, Synpress, Anvil, Sentry

EDUCATION

Nanyang Technological University — **B.Eng. in Computer Science** — Singapore · Aug 2010 to May 2014

WORK EXPERIENCE

Crypto.com — **Staff Software Engineer, Wallet** — Singapore · Feb 2020 to Present

- Designed the **EIP-7702** upgrade path for the wallet's web, extension and mobile teams, so existing users kept their address and got batched approvals, adopted by **1.1M accounts** in 6 months.
- Led the shared chain registry and RPC routing layer used by 4 product teams, with per-chain health checks and automatic failover, taking the wallet from 14 to **27 supported networks**.
- Wrote the risk checks every signing screen runs (address poisoning, unlimited approvals, unverified contracts), which warned users on **210,000** risky signature requests in 2025.
- Designed the event ingestion pipeline (Go services, Kafka, reorg-aware cursors) behind balances and history on every chain, holding p99 data freshness under **15 seconds** through 2025's busiest market days.
- Built the cross-team release gate with Playwright and Synpress wallet tests on Anvil forks plus staged rollouts, cutting signing-related incidents from 9 a quarter to **2**.

DBS Bank — **Software Engineer to Senior Software Engineer** — Singapore · Jul 2014 to Jan 2020

- Built React screens for the digital bank's web onboarding, cutting drop-off between the identity check and account opening from 31% to **18%**.
- Moved the web team from a single monolith build to independently deployed micro front ends, taking release frequency from monthly to **weekly**.
- Built a React Native prototype of a wallet for loyalty points at an internal hackathon, placing **2nd of 40 teams** and starting the interest that led to web3.