

Summary

Senior engineer with 9+ years of full stack work building financial, healthcare, and consumer products. Strongest in TypeScript and React, with recent Rust and PostgreSQL backend work and experience following features across interfaces, APIs, provider integrations, databases, and transaction workflows.

Experience

FP Block

Software Engineer, Full Stack

Remote

Apr 2025 - May 2026

- Served as the main developer for much of a client product, working directly with the client and translating requirements into implementation across TypeScript/React, Rust, and PostgreSQL
- Owned the Sardine identity verification integration across React and Rust, including signed webhooks, retries, creation of client tokens, synchronization of user state, API documentation, and tests
- Diagnosed a wallet SDK failure that changed fee fields after signing and implemented the transaction pipeline at a lower abstraction level to restore the product's core purchase flow

MLabs

Software Engineer, Haskell & Plutus

Remote

Dec 2023 - Nov 2024

- Developed Haskell and Plutus components across the Djed stablecoin and other Cardano protocols, including financial validation rules, transaction workflows, and automated integration tests

ETukTuk

Software Engineer, Haskell & Plutus

Remote

Sep 2022 - Jul 2023

- Designed and implemented a Cardano product for token sales, vesting, and staking as sole developer, using Haskell and Plutarch for contracts and TypeScript and Node.js for supporting tooling
- Built transaction chaining so a distribution across 50 wallets could consume predicted treasury outputs sequentially instead of waiting for one block confirmation per wallet

MLabs

Software Engineer, Haskell & Plutus

Remote

Jun 2021 - Jul 2022

- Built core Haskell and Plutus contracts for LiqwidX, a Cardano lending product covering collateral, borrowing, repayment, liquidation, oracle pricing, fees, and contract state

SEEK Asia

Software Engineer

Kuala Lumpur, Malaysia

Jul 2020 - Apr 2021

- Contributed to modernizing JobStreet's backend for employers from PHP to Node.js and TypeScript and introduced JSON Schema validation for untrusted payloads from legacy services

FP Complete

System Administrator

Remote

Oct 2019 - Mar 2020

- Shipped merged `Stack` and `Stackage` changes for Cabal 3 compatibility and automated Docker builds, and worked directly with Kubernetes and CI during an upgrade to the company's own GitLab CI server

Grab

Software Engineer, Full Stack

Selangor, Malaysia

Oct 2018 - Sep 2019

- Worked on Go and React trip safety features spanning internal incident monitoring, live ride location sharing, and collision detection using phone motion sensors

Revenue Monster

Associate Full Stack Developer

Kuala Lumpur, Malaysia

Mar 2018 - Oct 2018

- Contributed to the Go backend and TypeScript and React merchant reporting for payment gateway customers, and worked on the Vue.js and Vuex WeTix movie ticket frontend

Teleme

Ruby on Rails Developer

Kuala Lumpur, Malaysia

Nov 2016 - Feb 2018

- Developed live communication using WebSockets, payment processing, and operational monitoring features in Ruby on Rails for a B2B healthcare platform

Skills

TypeScript, JavaScript, React, Node.js, Express, Rust, Axum, PostgreSQL, SQL, REST APIs, API Integration, Signed Webhooks, JSON Schema, Haskell, Golang, Ruby on Rails, Vue.js, Vuex, Responsive Web Interfaces, Component Testing, Integration Testing, Docker, Kubernetes, AWS, CI/CD, Open Source, Git