

Alfred Louis

Full-Stack Engineer | React, Next.js, TypeScript, PostgreSQL
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SUMMARY

Full-stack engineer with 6 years of experience, all of it remote for teams in Singapore and Australia. Three years shipping features across a Ruby on Rails and PostgreSQL monolith, and now building products end to end on Next.js: schema design, API routes, background jobs, payments, and the UI on top. Deepest in React and TypeScript. Available any timezone, US hours included.

TECHNICAL SKILLS

Frontend: React, TypeScript, Next.js (App Router), Redux Toolkit, TanStack Query, Jotai, React Hook Form, Zod, Material UI, Tailwind CSS, shadcn/ui

Backend: Ruby on Rails, Node.js, Next.js API routes, REST, GraphQL and Hasura, WebSockets, background job queues, webhooks, payment APIs

Data: PostgreSQL, Supabase, Prisma, MongoDB, Redis, schema design, query optimization

Testing and Infrastructure: Jest, React Testing Library, AWS (S3, CloudFront, Rekognition), Serverless Framework, Vercel, Cloudflare (R2, Pages), Git

WORK EXPERIENCE

Software Engineer, HomePay / EZiD | Singapore (Remote)

August 2024 - Present

Own the web applications, six of them, at a 30-person company matching homeowners with interior designers and handling renovation escrow payments.

- Ship features and fix bugs on the main admin panel (React 18, TypeScript, Redux, MUI), an inherited back-office across 20+ domain areas including transactions, KYC review, disputes, and wallets, and drive a systematic Jest and React Testing Library coverage rollout across it.
- Built five apps from scratch: a project accounting SPA, an operations dashboard with a drag-and-drop kanban lead board and WhatsApp conversation history, a referral campaign site with a JSON-driven multi-step form and live WebSocket updates, a video consultation app on the Agora SDKs with a collaborative whiteboard, and a public share-preview app with a deep-link handoff into the native app.

Software Engineer, Codomo Pte Ltd | Singapore (Remote)

August 2021 - June 2024

Rolljak, a live audience engagement platform used by Singapore Management University, SUTD, and Accenture.

- Shipped features end to end on a Rails and PostgreSQL monolith: models, controllers, server-rendered views, and the jQuery and CSS on top. Mentored interns through their first production code.
- Rebuilt the product's main pages mobile-first, which became the primary way participants joined live sessions.
- Tracked down N+1 query patterns on the heaviest pages, collapsing dozens of per-row queries into single eager-loaded calls, and added the missing foreign key indexes behind them.

Software Engineer, V3 Leisure Management and Marketing | Perth, Australia (Remote)

September 2020 - August 2021

- Rebuilt 12+ client websites in React with responsive layouts, and integrated the Tourism Exchange Australia REST API into booking flows for enterprise tourism clients.

PROJECTS

Gallerify | gallerify.app | 2024 - Present

SaaS for photographers: client galleries, portfolios, studio CRM, invoicing. Built end to end, schema through UI. Postgres schema and queries on Supabase, billing against Lemon Squeezy and Midtrans with webhooks for plans and subscription state, image processing on a Redis-backed job queue off the request path, face search on AWS Rekognition, per-studio subdomains on wildcard routing. Next.js 14, TypeScript, Cloudflare R2.

Root Creator | August 2025 - January 2026

Creator-economy platform at an early-stage startup, working across the stack. Backend: CRUD endpoints, transactional email, Xendit payments, and file uploads on a Go service behind a Hasura GraphQL gateway over Postgres. Frontend: React 18 and TypeScript across a pnpm monorepo of three Vite apps sharing a component library, consuming that API through typed codegen hooks.

EDUCATION

Petra Christian University, Surabaya, Indonesia | S.Kom, Teknik Informatika | 2015 - 2019