

Emmanuel Aguirre

Senior Frontend Developer • React.js / TypeScript / Next.js

Senior frontend engineer for enterprise React and TypeScript, who also ships whole products on the side.

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Kuala Lumpur, Malaysia

13+

years of frontend development

~9

years specialising in React

Dec 2019

at Standard Chartered Bank Malaysia
since

BSc IT

Quezon City Polytechnic University

WEBSITES TO SEE FIRST

MY STUDIO

vibeboxph.com

A developer-led studio: client websites and products planned, designed, built and launched end to end on React, Next.js and TypeScript. Its public launch board lists every build with its live status, and VibeBox Motion is its own library of motion and 3D components.

MY PORTFOLIO

ka.vibeboxph.com

This portfolio is a build in itself: a scroll-driven 3D journey drawn entirely in code with Three.js (no image files), a case study for every project, an AI assistant that answers only from the site's facts, and this CV, always the current one.

PROFILE

Senior Frontend Developer with 13+ years in frontend, nearly 9 of them specialising in React. I deliver enterprise web applications, micro-frontends, reusable component libraries, design systems and customer-facing products, and I am comfortable owning frontend work end to end with product, UX, backend, platform and QA teams. Strongest in React, TypeScript, Next.js, frontend architecture, API integration, performance, automated testing and production delivery.

- **Enterprise scale.** Frontend at Standard Chartered Bank Malaysia since Dec 2019, building reusable architecture and a consistent UI across enterprise applications.
- **Architecture.** A micro-frontend monorepo POC on Vite and Module Federation, with Zod-typed contracts between modules and standalone dev, build and test for each one.
- **Component platform.** The internal React component library across forms, panels, tabs, tables, modals and a Form Renderer; reusable Stencil.js web components used inside React.
- **AI, with a person in charge.** A reusable AI chat widget and an AI-assisted form that maps natural-language prompts to validated, structured values.

EXPERIENCE

Senior React.js Front-End Web Developer Dec 2019 to Present Standard Chartered Bank Malaysia, Malaysia (Hybrid)

- Design and deliver scalable React/TypeScript solutions for enterprise applications, with emphasis on reusable architecture, maintainability and a consistent user experience.
- Designed a micro-frontend monorepo proof of concept using Vite and Module Federation, so independently developed modules ship inside one cohesive application, each with its own standalone dev, build and test workflow.
- Implemented typed, schema-driven contracts with Zod for cross-module communication and shared state.
- Standardised UI delivery on the internal React component library, from primitives to forms, panels, tabs, accordions, tables, modals and a Form Renderer.
- Built a file-based routing approach inspired by Next.js to cut React Router boilerplate, and reusable Stencil.js web components used inside React apps.
- Built AI-focused POCs: a reusable AI chat widget and an AI-assisted form that maps natural-language prompts into validated structured values.

React · TypeScript · Vite · Module Federation · Zod · Stencil.js · styled-components · Storybook · Figma

Senior React.js Front-End Web Developer May 2019 to Oct 2019 Decenternet PH, Philippines (Remote)

- Delivered user-facing React features with focus on usability, responsiveness, and UI consistency.
- Built reusable components and shared frontend utilities to reduce duplication and improve delivery speed.
- Converted UX designs and wireframes into pixel-accurate, production-ready interfaces.

React · TypeScript · Redux · REST APIs · styled-components · Jest

Senior React.js Front-End Web Developer Oct 2018 to May 2019 Cloud Employee, for Mercarto, Philippines (Office-based)

- Contributed to the migration of a legacy PHP/MySQL system toward a React-based frontend connected to a modern backend stack.
- Built reusable components, frontend utilities, and API integration patterns that improved consistency and development speed.

React · TypeScript · Redux · REST APIs · CSS Modules · Jest

React.js Front-End Web Developer Oct 2017 to Oct 2018 Cloud Employee, for Better Wealth, Philippines (Office-based)

- Led development of responsive React interfaces and reusable UI patterns across product screens.
- Improved UI performance and reliable behavior across browsers and devices while working closely with product and design.

React · TypeScript · Redux · REST APIs · styled-components · Jest

VIBeboxPH

VibeBoxPH Developer-led product studio

- My own studio, where I design, build and ship client websites and products end to end on React, Next.js and TypeScript, with Supabase for auth, data and storage.

SKILLS

Frontend

React.js, TypeScript, JavaScript ES6+, Next.js App Router, React Router, HTML5, CSS3, SASS/LESS, CSS Modules, styled-components, Emotion, MUI

Architecture

Micro-frontends, Vite, Module Federation, Monorepos, Reusable component platforms, Schema-driven UI, File-based routing, Design systems

State and data

TanStack Query, Redux, REST APIs, Zod, Yup, Supabase, PostgreSQL, Authentication, Role-based access

Testing and quality

Playwright, Jest, Vitest, React Testing Library, ESLint, Prettier, Cross-browser testing, Performance optimization

UI and product

Storybook, Figma, Responsive UI, Dashboards, Forms, Tables, Modals, Accessibility-aware implementation, Data visualization

Payments and commerce

Xendit checkout-v2, Card and hosted checkout, Saved-card flows, Payment webhooks, Transaction state handling, Idempotent finalization, Voucher and redeem workflows, PayMongo integration knowledge

AI-augmented engineering

ChatGPT, Claude, Cursor, OpenAI Codex, Agentic coding workflows, Prompt engineering, Conversational UI, Prompt-to-structured-data flows, Structured output validation, Human-in-the-loop review

Additional

Stencil.js web components, Resend and SMS integrations, React Native / Expo exposure, Git, CI/CD familiarity

SELECTED BUILDS

Trident PH

Insurance · tridentph.vibeboxph.com

Emdee

Health supplements · emdee.vibeboxph.com

Kaha

Retail point of sale · kaha.vibeboxph.com

Wobbi

Early learning · wobbi.vibeboxph.com

AAM Van Rental

Transport · aamvanrental.vibeboxph.com

Enclave

Coffee and coworking · enclave.vibeboxph.com

EARLIER

Front-End Web Developer, Cloud Employee, for La Moulade Creative Studio

Aug 2016 to Oct 2017

- Each build is delivered with automated tests (Vitest and Playwright) and written specs that coding agents work from in small slices while I review every change.
- A reusable component library and motion kit (VibeBox Motion) shared across the studio's builds.

GiftlyPH E-voucher commerce platform, built inside VibeBox

- Public storefront, checkout, buyer workflows, seller operations and admin tools in React, Next.js and TypeScript.
- Xendit checkout (card and hosted), saved cards, payment webhooks, idempotent finalisation and voucher generation.
- Supabase Auth, PostgreSQL, Storage and Cron, notifications, reporting and Playwright coverage of the critical workflows.

18 builds on the VibeBox launch board (8 client sites, 10 products).

Front-End Web Developer, Transcosmos Asia Philippines Inc.

Oct 2015 to Jul 2016

Front-End Web Developer, PNI Business Solutions Inc.

Jul 2013 to Jul 2015

EDUCATION

Bachelor of Science in Information Technology

Quezon City Polytechnic University, Philippines, 2009 - 2013

HOW I USE AI

I use ChatGPT, Claude, Cursor and OpenAI Codex as engineering tools, including conversational UI and prompt-to-structured-data POCs. The logic, structure and decisions are mine: AI-generated code, architecture suggestions and test output are inputs that I review, validate and test before anything is adopted.