



HAYDEN NG

SENIOR SOFTWARE ENGINEER

Contact

- Petaling Jaya, Malaysia.
- +6016 960 7425
- haydenng.664@gmail.com

Education

- Bachelor of Information Systems (HONS) Business Information Systems**
2017 - 2020
UTAR
CGPA: 3.3110
- Foundation in Arts (Management & Accountancy)**
2016 - 2017
UTAR
CGPA: 3.2796
- SPM**
2014 - 2015
3A+ 4A 1A- 1B+ 1C+

About Me

Senior Software Engineer with over 4 years of experience building production-grade web and cross-platform applications. I specialise in modern frontend engineering — spanning React, Next.js, Vue/Nuxt, and React Native — with a strong focus on scalable architecture, design system consistency, and developer experience.

I actively integrate AI into my engineering workflow — from authoring Claude Skills that enforce project-specific conventions and eliminate repetitive context-setting, to staying current with the evolving landscape of AI tooling and sharing those practices with the teams I work with. I see AI-augmented development not as a shortcut, but as a discipline that, when applied thoughtfully, raises the quality bar for everything built.

I care deeply about what I ship. Whether it's a cross-platform loyalty experience or a greenfield platform built from scratch, I hold myself to a high standard of craft — because seeing something go from idea to polished product is what keeps me going.

Languages & Frameworks

- | | |
|------------|-----------------|
| JavaScript | React Native |
| TypeScript | Expo |
| SCSS/SASS | Express.js |
| HTML/CSS | Tailwind CSS |
| React.js | shadcn/ui |
| Next.js | TanStack Query |
| Vue.js | Zustand |
| Nuxt.js | React Bootstrap |

Tools

VSCoDe, Antigravity, Gemini CLI, Claude CLI, Cline, Copilot, LM Studio, Ollama, Turborepo, Docker, TablePlus, PostgreSQL, GitLab, GitHub, Jira, Figma, AWS, GCP, WordPress

AirAsia

Sep 2023 - Present

Senior Software Engineer

Apr 2025 - Present

Skills: React, Next.js, React Native, Expo, Typescript, Tailwind, Nativewind, shadcn/ui, TanStack Query

- Architected and bootstrapped the AirAsia Academy platform from a clean slate, establishing a scalable monorepo base with React, Next.js, Zustand, TanStack Query, and a custom Tailwind design system — ensuring long-term maintainability and consistent design token usage across the codebase.
- Worked on AirAsia Move Rewards project from the ground up — the existing app's legacy stack could not be extended to web. Built a new single-codebase solution that works across mobile and web. Built with React Native, Expo, NativeWind, Directus CMS, and TanStack Query, the platform delivers a unified loyalty experience across iOS, Android, and web.
- Pioneered an AI-assisted development workflow using Claude Skills (reusable context documents that encode project-specific conventions), eliminating repetitive prompt engineering and enforcing consistency across AI-generated output.
- Authored multiple project-specific Skills, including: design-system-sync (auto-registers new components, icons, and fonts into the living design system doc), app-icon-usage (prioritises the internal icon library before falling back to Lucide), shadcn-first (enforces component reuse over custom builds), and tailwind-design-tokens (prevents rogue hex values by always referencing the closest Tailwind palette variable).
- Actively tracks the evolving AI tooling landscape and translates emerging best practices into actionable team guidance — including prompt engineering principles such as writing concise, scoped instructions to prevent context window exhaustion, structuring multi-turn conversations efficiently, and knowing when to start a fresh context versus continuing an existing one.
- Took on project management responsibilities beyond the engineering scope — authored and groomed Jira tickets with clear acceptance criteria, assigned tasks to developers based on capacity and skillset, and facilitated sprint planning sessions to keep delivery on track.
- Mentored junior engineers through structured code reviews, enforcing design system adoption and AI-assisted development practices across the frontend team.

Software Engineer

Sep 2023 - Apr 2025

Skills: React, Next.js, Typescript, Tailwind, Express.js, Knex.js, mysql2

- Served as frontend lead on the AirAsia Academy platform, an EdTech product backed by Google Cloud, empowering users to reskill, upskill, and accelerate career growth.
- Designed and implemented a Turborepo-based monorepo architecture, significantly improving component reusability, build performance, and long-term maintainability across multiple product surfaces.
- Led a full migration from the Next.js Pages Router to the App Router, including a comprehensive codebase overhaul — modernising data fetching patterns, routing logic, and server component architecture.
- Built and maintained RESTful CRUD APIs with Express.js and Knex.js, integrating backend services cleanly into frontend data flows.
- Implemented Widevine DRM for the video streaming platform, ensuring content protection compliance across supported browsers and devices.
- Developed a role-based internal back office with granular permission controls, enabling operations teams to manage content and users securely.
- Upheld design consistency and AirAsia brand identity across the platform through close collaboration with product designers and meticulous UI implementation.
- Conducted regular code reviews and technical mentorship for junior developers, raising team-wide code quality and frontend standards.

Work Experience

Compass Interactive

Sep 2021 - Aug 2023

Frontend Developer

Frontend: **Nuxt.js** **Vue.js**

- Building websites from scratch based on Figma mock design.
- Built 2D games using Phaser - HTML5 game framework.
- Built EDMs for Nike and AIA using MJML.
- Previous projects: Nike By You, Nike Footlocker game, Nike Stack game, IKEA Family, KFC eVoucher.

DIV Technology (Part Time)

Dec 2020 - Mar 2026

Web Developer

Frontend: **Nuxt.js** **Vue.js**

- Developed a Event Management System that was being used by MDA d Awards 2024 and more. Includes admin portal management, landing page registration, QR code self check in, lucky draw, live Q&A session, live rating session and more.
- Developed a Payroll Management System that allows client to manage their payrolls (payslips, allowance, expenses.. etc)
- Developed multiple microsites for various events.
- Developed multiple registration sites for Event Management Systems.
- Admin portal for mobile app content management.
- Built 20+ websites on WordPress.
- Woocommerce.
- SEO optimisation.
- Speed optimisation.
- Google Tag Manager / Google Analytics / Google Search Console.
- Created Instagram Filters for Lazada, BioEssence, AEON, Rollney and so on.



Enterpryze

July 2020 - Aug 2021

Web Designer

- WordPress Development
- Translating mockups into HTML layouts with appropriate transitions, effects and animations.
- SEO Optimization
- Website Optimisation (speed, health)
- Hubspot / Mailchimp
- Specializes in HTML, CSS, Javascript, JQuery, PHP

SenGz Development

2019

Intern - Web Developer

Backend: **PHP**

- Stock management system on PHP that allows admin to create, read, update and delete stock to keep track of its inventory.