

Nguyen Phan Duc Anh

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PROFESSIONAL SUMMARY

RMIT Software Engineering graduate with 8 years of professional experience across hospitality, management, and education. Technically proficient in building web, mobile, and low-level systems, with a proven ability to manage operations and solve problems in high-pressure, fast-paced environments.

EDUCATION

RMIT University Vietnam

Ho Chi Minh, Việt Nam

Bachelor of Software Engineering

Skills: Java, C, Python, Swift, SwiftUI, HTML, CSS, JavaScript, React, Next.js

PROJECT EXPERIENCE

macOS Portfolio Website

Ho Chi Minh, Việt Nam

React | Vite | Zustand | TailwindCSS

- Built a desktop interface in React featuring draggable windows, a dock, and a functional file system (Finder).
- Used **Zustand** to manage the global state of open windows, ensuring the active window always stays on top (z-index) and tracks its own position.
- Handled window transitions and dock hover effects using **GSAP** to mimic the look and feel of a native operating system.
- Built 7 integrated apps, including a Terminal and a Gallery, focusing on modular component architecture.
- <https://github.com/billybean93/macos-portfolio>

Nau Coffee Web Platform

Ho Chi Minh, Việt Nam

Next.js | React 19 | TypeScript | Tailwind CSS

- Built responsive Next.js website for coffee pop-up brand with video storytelling and interactive media galleries
- Developed touch-enabled gallery supporting 150+ photos/videos across 7 popup events with lazy loading
- Created custom video player components and TypeScript interfaces for type-safe data structures
- <https://github.com/billybean93/nau-coffee>
- nau-coffee.netlify.app

Bare Metal OS Project (Raspberry Pi)

Ho Chi Minh, Việt Nam

ARM64, Raspberry Pi 3B, UART, Framebuffer, Double

- Built bare-metal OS for Raspberry Pi with ARM64 kernel, UART driver, and double-buffered framebuffer graphics
- Developed a custom CLI with TAB auto-completion and command history for hardware control
- Implemented Flappy Bird clone with multi-level progression, collision detection, and real-time UART telemetry.
- <https://github.com/billybean93/Bare-Metal-Programming>

ITINERIA-iOS Travel Planner App

Melbourne, Australia

Swift, Google Places API, Core Data, Open AI API

- Developed a native iOS app for trip organising using **SwiftUI** and **Xcode**.
- Connected the **Google Places API** to fetch real-time location data and nearby attractions for user searches.
- Implemented **Core Data** to save user-created travel plans locally, allowing for offline access to itineraries.
- Integrated a chat interface using the **OpenAI API** to provide automated travel suggestions based on user prompts.
- <https://github.com/billybean93/Itineria>

PRIOR PROFESSIONAL EXPERIENCE

2017-2025

Various Roles (Hospitality, Education & Logistics)

- **Reliability:** Promoted to Manager at two locations in the last year; trusted to oversee daily operations and basic bookkeeping.
- **High-Pressure Execution:** Thrived in "rush hour" environments (kitchens, moving, and fast food), maintaining speed and accuracy during peak service times.
- **Adaptability:** Successfully transitioned between diverse roles, from manual labor to international English tutoring, proving a quick learning curve in any environment.