

Nael Nguyen

Full-stack Developer · .NET · Angular · iOS & Android

CONTACT

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SKILLS

Languages
C#, TypeScript, JavaScript, Swift, Python, SQL, Kotlin

Web & backend
ASP.NET Core, Web API, EF Core, Angular, Nx, NgRx, Tailwind CSS, Node.js, Razor

Mobile
iOS: SwiftUI · Android: Kotlin, Jetpack Compose · React Native (Expo)

Data
PostgreSQL, SQL Server

DevOps
Docker, Nginx, Linux, Cloudflare (DNS, Tunnel, R2), Git, Azure DevOps

AI & IoT
Local LLMs (Ollama), Gemini Live, ESP32-S3 firmware

LANGUAGES

Vietnamese (native) · English

PROFILE

Full-stack developer with 5+ years of experience building enterprise web apps (Angular, ASP.NET Core), native mobile apps for iOS (SwiftUI) and Android (Kotlin), and self-hosted AI products. Comfortable owning a product end to end: database design, REST APIs, UI, Docker deployment and operations behind Nginx and Cloudflare.

EXPERIENCE

Front-End Developer · ERM System
Jun 2021 – Present

- Build and maintain enterprise web apps in Angular (Nx monorepo, NgRx, Tailwind CSS) for a real-estate portal and internal admin tools.
- Ship map-centric features: map search, filtering and interactive map-drawing tools.
- Modernized the front-end stack: upgrades to the latest Angular, Nx, NgRx, TypeScript and Tailwind 4 with shared design tokens.
- Build data-sync and admin screens on REST/OpenAPI services; contribute to the .NET API and the React Native (Expo) mobile app UI.
- Collaborate with product and backend teams via Azure DevOps work items, pull requests and code review.

Freelance Full-stack Developer · Self-employed
Feb 2024 – Present

- Built and run Tự Thiết Kế Web (tuthietkeweb.com): ASP.NET Core (.NET 10) AI landing-page builder using local LLMs (Ollama / OpenAI-compatible), a GrapesJS visual editor and publishing to subdomains or custom domains via Cloudflare.
- Delivered client web platforms as multi-project .NET solutions (public ASP.NET Core site, shared core library, Angular admin portal) for education, admissions and corporate websites.
- Built mobile apps with their backends (SwiftUI on iOS, Kotlin on Android), e.g. the Tablo iOS F&B app on an ASP.NET Core API with SQL Server, FCM push notifications and subscriptions.
- Implemented online payments, user/role management and JWT-secured REST APIs; refactored legacy code for performance and maintainability.
- Containerize and operate apps with Docker, Nginx, Let's Encrypt and Cloudflare on Linux servers, including a SQL Server to PostgreSQL migration.

SELECTED PROJECTS

Tự Thiết Kế Web tuthietkeweb.com
AI landing-page builder: a local LLM drafts the page, GrapesJS edits it, one click publishes it.
ASP.NET Core · .NET 10 · Ollama · GrapesJS · Cloudflare

Lana — voice robot personal
ESP32-S3 robot with custom xiaozhi-based firmware ("Hi Lana" wake word), self-hosted Python voice server on Gemini Live, MQTT/UDP gateway on a VPS.
C++ · ESP-IDF · Python · WebSocket · MQTT/UDP

iOS apps on the App Store SafeCalc · Morse Ease · Remind For You
SafeCalc hides a secure vault behind a working calculator; Morse Ease teaches and translates Morse code; Remind For You handles simple daily reminders.
Swift · SwiftUI

Tablo + Tablo API iOS + backend
Restaurant/café management: menu, tables, per-table orders, staff and revenue reports.
SwiftUI · ASP.NET Core · SQL Server · FCM · Docker

Portfolio, demos and blog: naelnguyen.dev