Anirut Puangkingkaew

Email: anirut.puangkingkaew@gmail.com
Mobile: +64 2040097533
LinkedIn: https://www.linkedin.com/in/anirutpuangkingkaew/
Portfolio: https://portfolio.idevtifytech.com

Professional Summary

Full Stack Developer with 7+ years of experience building scalable web platforms and system integrations. Recently focused on AI/ML engineering, developing real-world projects using OpenAI, LangChain, and TensorFlow. Passionate about clean code, automation, and using AI to solve practical problems. Actively seeking a role in AI/ML or full-stack development.

Core Skills

Languages: Python, JavaScript, TypeScript, Go, PHP, C#, SQL
Frontend: React.js, Next.js, Redux, React Native
Backend: Node.js, Django, Flask, FastAPI
AI/ML: OpenAI API, TensorFlow, IBM Watson, Scikit-learn, RAG, LangChain, LLM, NLP, Prompt Engineering
Data: Pandas, NumPy, SciPy, Prisma, PostgreSQL, MSSQL, MySQL, MongoDB
Cloud/DevOps: AWS (EC2, S3), Docker, CI/CD, Git, Nginx, Apache
Tools: Postman, Jupyter, GitHub, VS Code, Linux
Others: Raspberry Pi, Arduino, Node-RED, AwareIM, WordPress

Certifications & Learning

Machine Learning with Python (V2) - *IBM/Coursera (May 2025)*
Building Generative AI-Powered Applications with Python - *IBM/Coursera (Apr 2025)*
IBM Generative AI Engineering - *IBM/Coursera (In Progress, expected June 2025)*
Programming with Google Go - *UoC/Coursera (April 2025)*
Blackbird Australia Software Engineering Virtual Program - *Forage (December 2024)*
Commonwealth Bank Software Engineering Simulation - *Forage (November 2024)*
CS50's Web Programming with Python and JavaScript - *HarvardX/edX (September 2024)*

AI & ML Projects:

Generative AI SaaS Platform

Tech Stack: Next.js, PostgreSQL, Prisma, OpenAI API, Stripe, Clerk.dev
Developed a web-based platform enabling users to generate text, images, and music using OpenAI GPT and DALL-E. Included user authentication, subscription billing, content pipeline, and integrated LangChain and RAG for prompt optimisation.

Real-Time AI Accident Detection System (URGENCE)

Tech Stack: Python, TensorFlow, OpenCV, Raspberry Pi, Firebase, Flutter
Built a prototype using camera input and deep learning to detect potential road accidents in real-time. Integrated notification and data logging to a mobile app via Firebase.

Web & Full Stack Projects

SaaS AI Platform

Tech Stack: Next.js, OpenAI, Clerk.dev, Stripe, Prisma, PostgreSQL
Created an end-to-end AI content generation platform with secure authentication, real-time generation flow, Stripe billing, and modular AI pipelines.

Project Management System

Tech Stack: React, Node.js, Express, MongoDB
Designed and built a task and project tracking tool for teams with budget control, custom metrics, and deadline alerts.

Membership & Payment Web App

Tech Stack: React, Node.js, PostgreSQL, Stripe
Built a system with user role management, auto-renewal billing, and optimised frontend performance (>90% Lighthouse score).

IoT Air Quality Monitoring (Dustation)

Tech Stack: Arduino, Node-RED, Raspberry Pi, Linux
Used Arduino and Raspberry Pi to collect air quality data and transmit to a Node-RED dashboard for real-time alerts.

In-house ERP Solution

Tech Stack: Visual Basic
Designed and implemented an ERP system to manage stock, production planning, and material requirements.
Reduced inventory by 60% and improved delivery lead time to ≤3 days.

PROFESSIONAL EXPERIENCE

Full Stack Developer / System Engineer

Sydney College - Sydney, Australia
February 2021 - September 2024
   • Built a student management system using AwareIM and AWS EC2 for cloud-based data access.
   • Created SMMS reporting tools using React/Redux/Node.js, reducing report generation time by 40%.
   • Integrated third-party LMS with RESTful APIs, automating result submissions with full accuracy.
   • Led cloud migration and CI/CD pipelines for internal tools, enabling continuous delivery.

Web Developer

The Studio - Sydney, Australia
February 2020 - June 2020
   • Improved website performance and SEO (90+ scores) by refactoring and removing bottlenecks.
   • Created a secure membership and payment system with user access control.

Freelance Software Developer

Remote / Client-Based Projects
February 2017 - Present
   • Delivered custom web and mobile apps using React, Node.js, and Django.
   • Designed scalable APIs, database architecture, and implemented CI/CD workflows.

Software & Network Systems Engineer

Australian International College, Sydney, Australia
June 2017 - June 2020
   • Developed internal tools using React, Node.js, PHP, WordPress, and Docker for academic workflows.
   • Managed server infrastructure, automated backups, and improved cybersecurity.

ERP System Developer (Earlier Experience)

C.P.D. Sheet board Co., Ltd., Chiangmai, Thailand
August 2000 - December 2013
   • Developed a full ERP system in Visual Basic for stock, MRP, and production planning.
   • Achieved 60% stock reduction and faster lead times with automated planning tools.

EDUCATION

Master of Software Engineering

Yoobee College of Creative Innovation - Auckland, New Zealand *(Expected Nov 2025)*
Focus: Professional Software Engineering, Cloud Security, Blockchain, Data Analytics, Quantum Computing, Intelligent Transport Systems

Bachelor of IT in Mobile Application Development

Academy of Information Technology - Sydney, Australia *(June 2020)*
Focus: Cross-Platform Apps, Data-Driven Apps, iOS Programming, Android Programming

Diploma of IT in Software Development

Australian Computer Society - Sydney, Australia *(June 2017)*
Focus: Develop high-level object-oriented class specifications, build a dynamic website

Bachelor of Business Administration

Maejo University - Chiangmai, Thailand *(March 2000)*