

# Anirut Puangkingkaew

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Portfolio: <https://portfolio-anirut-puangkingkaew.vercel.app>

## CAREER GOAL

Specialising in Frontend and Full-Stack development with over 7 years of experience, demonstrating a keen aptitude for creating responsive, user-friendly interfaces and robust backend systems. Known for efficiently translating design concepts into functional code and delivering applications that are effective, easy to maintain and reuse. Committed to continuous learning, with a current focus on AI technologies, aiming to contribute significantly to innovative projects within a forward-thinking company. Dedicated to following best practices and writing clean, maintainable code, ensuring long-term success and scalability.

## SKILLS

Generative AI, Machine Learning, Ollama, RAG, Python, Django, React, Redux, Next.js, TypeScript, NodeJS, React Native, Angular, Jest, JavaScript, HTML, CSS, JWT, Auth0, MSSQL, MySQL, PostgreSQL, MongoDB, Sequelize, Prisma, WordPress, PHP, AwareIM, Nginx, Nginx-Reverse, Apache, AWS EC2, Linux, Ubuntu, Docker, Git, CI/CD, Networking, Router, Switch, LAN

## EXPERTISE

- Web Developer
- Frontend Development
- Backend Development
- Full-stack Development
- Mobile Application Development
- Cloud System Design and Implement
- Software as a Service (SaaS)
- Learning Management System
- Database Management
- Networking and Computer System Engineer

## EXPERIENCE

### Sydney College

#### Computer Network and System Engineer

Sydney, Australia  
February 2021 - Present

- Developed a student management system using AwareIM and host on AWS EC2.
- Developed SMMS Report by using React, Redux, and Node to analyse data and generate reports to match requirements.
- Integrate a student management system with a learning management system to transfer student results using API technic, to reduce manual input to achieve 100% data accuracy.
- Setup learning management system to be paperless and implement 100% online learning and assessment

### The Studio

#### Web Developer

Sydney, Australia  
February 2020 - June 2020

- Diagnosis of extended website response times, enabling the identification of bottlenecks and removal of redundant functions and code segments to achieve  $\geq 90\%$  loading performance and SEO score  $> 90$  points.
- Developed a membership system, to manage client permission to access content and renew subscriptions.
- Integrate the website with a payment gateway and enable secure and seamless online transactions.

### Freelance

#### IT Consultant and Full Stack Developer

Sydney, Australia and Thailand  
February 2017 - Present

- Designed and programmed APIs for smooth communication in software applications.
- Created and maintained customer-focused web applications using React, Redux, Node
- Managed database servers to ensure data integrity and availability.
- Worked closely with teams to troubleshoot and fix software bugs.
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### Australian International College

#### Computer Network and System Engineer

Sydney, Australia  
June 2017 - June 2020

- Develop a WordPress website with advanced functions for template and form using PHP
- Deploy the website using docker on AWS EC2 and use Nginx-reverse to manage multiple website access.
- Set up data files server on Synology NAS using hyper backup to achieve 100% data backup rate.
- Maintenance and config server on AWS to get more secure by setting up a firewall and allowing access protocol.

- Developed ERP system using Visual Basic to adeptly analyse stock levels, align them with production planning, generate a precise material requirement list and optimise to achieve a 60% reduction in stock volume.
- Seamless integration for ordering system to allow bulk uploads of order data and made it real-time production planning and report to reduced production errors  $\leq 1\%$  and lead times production and delivery  $\leq 3$  days.

## **PROJECTS**

### **Dustation (Node-RED, Raspberry PI, Linux)**

- Developed an application to get data from a PM2.5 reader and display it in real-time on the screen in kiosk mode.
- Create API to get data and store PM2.5 data in MySQL and send data to the main server to centralise from 200 devices.
- Set up Linux to provide Client mode using WPA supplicant service and AP mode by using hostapd, dnsmasq and dhcpcd.

### **SAAS AI Platform (Next.js, Prisma, PostgreSQL, Generative AI, OpenAI)**

- Provide to generate chat, images, video, music and code using generative AI from OpenAI
- Using Clerk to manage user account and security
- Integrate payment gateway using stripe SDK

### **Project Management System (React, Node, JWT)**

- The app allows one to manage projects in the construction business, easily classify tasks and assign them to a team.
- Generate and display real-time reports so that the management team have a more efficient control budget and hours.

### **URGENCE (Python, TensorFlow, OpenCV, Raspberry PI, Flutter, Firebase)**

- Detect people's motion using OpenCV with the camera on Raspberry PI.
- Utilizing TensorFlow to analyse and predict people's accident collapse in the scene.
- Send real-time alerts to user's mobile including accident image store on Firebase.

## **CERTIFICATE**

### **CS50's Web Programming with Python and JavaScript**

**Harvard University**

<https://certificates.cs50.io/d5baf46-eabe-4835-8d89-d45f56e6d97b>

## **EDUCATION**

### **Master of Software Engineering**

Yoobee College of Creative Innovation

Auckland, New Zealand, Expected Nov 2025

Coursework: Data analytics, Quantum computing, cloud security and blockchain

### **Bachelor of IT in Mobile Application Development**

Academy of Information Technology

Sydney, Australia, June 2020

Coursework: Cross-Platform Apps, Data-Driven Apps, iOS Programming, Android Programming

### **Diploma of IT in Software Development**

Australian Computer Society

Sydney, Australia, June 2017

Coursework: Develop high-level object-oriented class specifications, Build a dynamic website

### **Bachelor of Business Administration**

Maejo University

Chiangmai, Thailand, March 2000

## **ADDITIONAL INFORMATION**

### **Hobbies and Activities**

- Learning coding skills from YouTube is my favourite, I love to surf and check out new tech to keep and update new technology
- Photography is a fun activity that helps me to relax and keeps me retraining my concentration and focus skills as photography has so many small details that need to be considered, such as positioning, lighting, and camera setup.
- Play games, especially sports games. Also, games can lead me to connect with other people in the world that has the same interests. It helps me to learn how to deal with a variety of people.