

# Anirut Puangkingkaew

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**Location:** Auckland, New Zealand

**Work Rights:** Available for full-time work.

**Availability:** Immediate - Open to Intermediate / Senior Software Engineer roles

## PROFESSIONAL SUMMARY

Software Engineer / Full Stack Developer with 7+ years of experience delivering web applications, backend systems, and cloud-based solutions across education, SaaS, and startup environments in Australia and New Zealand.

Strong hands-on expertise in React, Node.js, Django, and AWS, with proven ability to design APIs, integrate complex systems, and deliver production-ready solutions in small, high-ownership teams. Experienced working end-to-end from requirements to deployment, collaborating closely with product and design stakeholders. Seeking Intermediate to Senior Software Engineer roles where I can take ownership of features and contribute to technical decision-making.

## CORE SKILLS

**Languages:** Python, JavaScript, TypeScript, SQL

**Frontend:** React.js, Next.js, Redux, React Native, Tailwind CSS

**Backend:** Node.js, Django, FastAPI, Flask, REST APIs

**Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS, DynamoDB, IAM), Docker, CI/CD, Serverless

**AI & Automation:** OpenAI API, Amazon Bedrock, RAG, LangChain, LLM Integration, NLP

**Databases:** PostgreSQL, MySQL, MongoDB, MSSQL, Prisma

**Tools:** Git, GitHub, Postman, VS Code, Linux

## CERTIFICATIONS & LEARNING

**Architecting Solutions on AWS** - Amazon Web Services/Coursera (December 2025) [LINK](#)

**AWS Cloud Technical Essentials** - Amazon Web Services/Coursera (December 2025) [LINK](#)

**Building Generative AI Applications Using Amazon Bedrock (Includes Labs)** - AWS Skill Builder (September 2025) [LINK](#)

**IBM Generative AI Engineering Professional Certificate** - IBM/Coursera (July 2025) [LINK](#)

**AI Agents Using RAG and LangChain** - IBM/Coursera (July 2025) [LINK](#)

**Generative AI Foundational Models for NLP & Language Understanding** - IBM/Coursera (June 2025) [LINK](#)

**AWS Machine Learning Foundations** - AWS (June 2025) [LINK](#)

**Generative AI and LLMs: Architecture and Data Preparation** - IBM/Coursera (June 2025) [LINK](#)

**Machine Learning with Python (V2)** - IBM/Coursera (May 2025) [LINK](#)

**Data Analysis with Python** - IBM/Coursera (April 2025) [LINK](#)

**Programming with Google Go** - UoC/Coursera (April 2025) [LINK](#)

**Blackbird Australia Software Engineering Virtual Program** - Forage (December 2024) [LINK](#)

**Commonwealth Bank Software Engineering Simulation** - Forage (November 2024) [LINK](#)

**CS50's Web Programming with Python and JavaScript** - HarvardX/edX (September 2024) [LINK](#)

## AI & ML PROJECTS

### AI Resume Analyser

Tech Stack: FastAPI, OpenAI GPT, Next.js, Tailwind CSS

Built a Generative AI web application that analyses CVs and provides actionable feedback, with optional job description matching. Designed REST APIs, integrated OpenAI models, and implemented a responsive frontend. Demonstrates real-world AI integration and production-ready architecture.

### 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. Implemented user authentication, subscription billing with Stripe, and a scalable content generation pipeline. Demonstrates full-stack SaaS development and payment integration.

### **Real-Time AI Accident Detection System (URGENCE)**

Tech Stack: Python, TensorFlow, OpenCV, Raspberry Pi, Firebase, Flutter

Built a system 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, demonstrating end-to-end IoT and AI integration.

## **WEB & FULL STACK PROJECTS**

### **Kiwi Explorer**

Tech Stack: React, Tailwind CSS, Django, PostgreSQL, Docker

Full-stack web application to explore tourist locations in New Zealand. Developed frontend using React and Tailwind CSS, implemented backend with Django REST Framework serving location data through RESTful APIs. Deployed using Docker with multi-container setup, demonstrating production deployment skills.

### **Project Management System**

Tech Stack: React, Node.js, Express, MySQL

Built a task and project tracking tool for teams with budget control, custom metrics, and deadline alerts. Demonstrates full-stack CRUD operations and real-time data management.

### **Membership & Payment Web App**

Tech Stack: React, Node.js, PostgreSQL, Stripe

Built a system with user role management, auto-renewal billing with Stripe integration, and optimised frontend performance achieving >90% Lighthouse score.

### **IoT Air Quality Monitoring**

Tech Stack: Arduino, Node-RED, Raspberry Pi

Built an IoT system to collect air quality data and transmit to a Node-RED dashboard for real-time monitoring and alerts.

### **In-house ERP Solution**

Tech Stack: Visual Basic

Designed and implemented an ERP system for stock management, production planning, and material requirements, reducing inventory by 60%.

## **PROFESSIONAL EXPERIENCE**

### **Full Stack Engineer**

Favour - Auckland, New Zealand

July 2025 - November 2025

- Assist in building and maintaining a cross-platform mobile app using React Native, focusing on responsive UI for both iOS and Android.
- Integrated Redux Toolkit to manage shared state across components efficiently.
- Connected frontend interfaces with Django-based backend APIs to support features like recipe browsing and meal planning.
- Contributed to RESTful API development, MySQL schema design, and AWS Lambda setup for backend scalability.
- Helped implement key features such as user authentication, meal customisation, and real-time order tracking.
- Participated in sprint planning, code reviews, and team discussions following agile methodology.
- Explored AI integration opportunities within the app's workflow to enhance user 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.
- Developed reporting tools using React, Context API, Node.js, reducing report generation time by 40%.
- Integrated third-party LMS with RESTful APIs, automating result submissions.
- Contributed to cloud migration and CI/CD pipelines for internal tools.

## **Web Developer**

The Studio - Sydney, Australia

February 2020 - June 2020

- Improved website performance and SEO achieving 90+ scores through code refactoring.
- Built a secure membership and payment system with user access control.

## **Freelance Software Developer (Selected Projects)**

2017 - 2024

- Delivered web applications using React, Node.js, and Django.
- Designed APIs, databases, and deployment workflows.

## **Software & Network Systems Engineer**

Australian International College, Sydney, Australia

June 2017 - June 2020

- Implemented internal tools using React, Node.js, PHP, and Docker.
- Managed server infrastructure and automated backups.

## **ERP System Developer (Earlier Career)**

C.P.D. Sheet board Co., Ltd., Chiangmai, Thailand

August 2000 - December 2013

Designed and built an internal ERP system for manufacturing and inventory management.

## **EDUCATION**

### **Master of Software Engineering**

Yoobee College of Creative Innovation - Auckland, New Zealand (November 2025)

Focus: Professional Software Engineering, Cloud Security, Data Analytics

### **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)