Anirut Puangkingkaew

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Career Goal

With over 7 years of experience in Frontend and Full-Stack development, I specialise in creating responsive, user-friendly interfaces and robust backend systems. My expertise lies in translating design concepts into functional code and building applications that are efficient, reusable, and easy to maintain.

My goal is to become a proficient software developer who consistently follows best practices. I am dedicated to writing clean, maintainable code that is easy to understand and reuse. I am also enthusiastic about continuous learning and am currently focusing on exploring AI technologies to further enhance my skills and contribute to innovative projects.

Skills

Generative AI, Machine Learning, 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
- IT Infrastructure Design & Operation
- IT Service Implementation & Provision

Experience

Sydney College   Sydney, Australia
Computer Network and System Engineer   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   Sydney, Australia
Web Developer   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 >= 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   Sydney, Australia and Thailand
IT Consultant and Full Stack Developer   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.

Australian International College   Sydney, Australia
Computer Network and System Engineer   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 NAT 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.

C.P.D. Sheet board Co., Ltd.   Sydney, Australia
Computer System Engineer   August 2000 - December 2013
- 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 <= 1% and lead times production and delivery <= 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.

Education

Academy of Information Technology   Sydney, Australia
Bachelor of IT in Mobile Application Development   June 2020
Coursework: Cross-Platform Apps, Data-Driven Apps, iOS Programming, Android Programming

Australian Computer Society   Sydney, Australia
Diploma of IT in Software Development   June 2017
Coursework: Develop high-level object-oriented class specifications, Build a dynamic website

Maejo University   Chiangmai, Thailand
Bachelor of Business Administration   March 2000

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.