

# Kita 'Chris' Pairojtanachai

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## PROFESSIONAL EXPERIENCE

### Clemson University — Research Assistant; Clemson, SC

Oct 2022 — May 2023

Designed, developed, and deployed two web applications, one called PREDICT with the MCDC (Materials Computation and Data Science) research group led by Prof. Dilipneet S. Aidhy at Clemson University and another for SRNL (Savannah River National Laboratory). PREDICT provides public access to data gathered and processed at MCDC along with their machine learning models. SRNL's web application provides access to their research on glasses for nuclear waste storage.

Tech Stack: PostgreSQL, MongoDB, Go, React + TypeScript, TailwindCSS, Docker, Linux, Git

### Buzz Freeze Solution — Full Stack Developer; Bangkok, Thailand

Jan 2021 — Sep 2021

Designed, developed, tested, and deployed a building energy management system for NIDA, a prestigious graduate school in Thailand. Communicated with clients for purposes such as requirements gathering and analysis, project planning, API integration, progress updates, and post-deployment support. The system helps NIDA monitor and reduce energy consumption by 25% campus-wide. Advised and worked on several other projects with PTT and SCG, large oil and construction companies.

Tech Stack: MariaDB, Node.js (Express), ReactJS, Docker, Linux, Git

Source Code: [https://github.com/KitaPDev/NIDA\\_SMART\\_ENERGY](https://github.com/KitaPDev/NIDA_SMART_ENERGY)

Production: <http://smart.nida.ac.th>

### Agoda Company — DevOps SRE Intern; Bangkok, Thailand

Jun 2020 — Aug 2020

Put in charge of full stack development for Monkey, a ticket management system used internally at Agoda to communicate between departments, and assigned a supervisor. Disassembled and debugged legacy code from previous interns to fix critical performance issues. Our team coordinated meetings and updates using Atlassian JIRA and worked with the SCRUM method in two week sprints. From surveys with the NOC team, Monkey reduces response time by 50% since users can monitor issues in real time on the dashboard instead of waiting for emails and forwarding them to the person responsible.

Tech Stack: SQL Server, Node.js (Express), React, Docker, GitHub Actions, Git

### BRID Systems — ERP Developer (Java); Bangkok, Thailand

Jul 2017 — May 2020

Developed on an in-house commercial ERP system called PlanetOne ERP built purely on Java and PostgreSQL. Worked closely with system implementers to customize ERP system based on individual client's needs (e.g., Sales Order, Purchase Request/Order, Work Order, etc). The main modules I worked on were Inventory Management, Sales, Procurement, and Warehouse Management. The system is deployed either on-site at client facilities or by the company on Linux (Ubuntu) servers.

Tech Stack: Java, PostgreSQL, Linux, Subversion

## EDUCATION

**Clemson University, School of Computing | Master of Science in Computer and Information Science**  
| Clemson, SC | Jan 2022 - May 2023 | GPA: 3.9 / 4.0

**Chulalongkorn University, International School of Engineering | Bachelor of Engineering in Information and Communication Engineering** | Bangkok, Thailand | 2017 - 2021 | GPA: 3.27 / 4.0

## SKILLS & INTERESTS

**Frontend:** HTML&CSS, JavaScript, TypeScript, React, Angular, TailwindCSS, Next.js

**Backend:** Node.js, TypeScript, Go, Python, Java, Express, Echo, PHP, C#, Spring

**Database:** PostgreSQL, MySQL, MariaDB, Redis, SQL Server, MongoDB

**Mobile:** Java, Kotlin, React Native

**DevOps:** Docker, Jenkins, CI/CD, CircleCI, GitHub Actions, Kubernetes, WebHooks

**Other Tools:** Jira, Figma

**Soft Skills:** Project Management, Client Communications, Project Structuring, System Design

**Languages:** Thai (Native), English (Native/Bilingual)

**Interests:** DIY Mechanic, Auto Repair, Electronics, Robotics, Weight Lifting

## REFERENCES

### **Prof. Dilpuneet S. Aidhy**

Associate Professor, Clemson University

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