Kita 'Chris' Pairojtanachai

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PROFESSIONAL EXPERIENCE

Humanitarian Software LLC — Software Engineer; Central, SC   *May 2023 — PRESENT*

• Working on multiple 3rd party API — DocuSign and FusionPro — integration with in-house logistics management software. Migrate a PHP and jQuery tech stack to Fastify, React, and TypeScript. Built multiple complex components e.g., virtual scroll, data grid, etc. Created multiple Python scripts to automate large tasks, decreasing time spent on projects by 90%.

Tech Stack: SQL Server, Java, Spring, PHP, JavaScript, React, TypeScript, Fastify, Node.js, Python, SVN, Git

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. Dilpuneet 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

Krung Thai Bank — Full Stack Go Developer; Remote (Thailand)   *Sep 2021 — Dec 2023*

Worked as part of a small team of developers. Migrated old information system on .NET architecture over to micro services with CI/CD and Kubernetes. My main role was a backend developer using Go. I also worked on the frontend using Angular and Node.js services. I implemented features in both backend and frontend and made improvements to the codebase. In addition, I constructed CI/CD pipelines on Jenkins, created WebHooks on GitLab, and deployed to a Kubernetes managed cluster. The new system is highly performant, over 2x as fast as the legacy system when generating large financial reports.

Tech Stack: PostgreSQL, Redis, Go, Angular, C#, Node.js, Kubernetes, Docker, Kafka, Jenkins, WebHooks, 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
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), German (B1)
Interests: DIY Mechanic, Auto Repair, Electronics, Robotics, Weight Lifting

REFERENCES

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