

Jetnipit Kulrativid

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	Bangkok, Thailand	
Summary	I am a software engineer with years of experience in cloud infrastructure, software engineering and containerized technology. I am highly enthusiastic about large-scale cloud infrastructure and believe that well-structured cloud infrastructure will unlock more unimaginable business opportunities.	
Education	Chulalongkorn University B.Eng. in Computer Engineering (fourth year student) GPA 3.64	
Key Qualifications	Cloud Infrastructure Veteran Robust API Development Background	Basic Network Configuration Distributed System with Kubernetes
Experience	Software Developer Intern at Chula UTC Mar. 2022 – Aug. 2022 <ul style="list-style-type: none">- Developed backend service of DMIND application with Golang which making the app more lightweight than other popular languages- Made application deployment less prone to bug and time-consuming by containerizing the application with Docker- Speeded up APIs response time by caching static content such as videos into Redis- Estimated request capacity of the app and detected memory leakage by load-testing with Locust.- Reached 100k of analytic records being used for training depression detection AI- DMIND was one of the Thailand’s representatives at i-CREATe 2022 in Hong Kong- Rewrite backend service of MoCA application, fully automated dementia test app, with clean architecture, making the code more maintainable- Greatly improved database query performance of unstructured test results via migrating database from SQL-based MariaDB to documented-based MongoDB- Since 2022, MoCA has been used by Cognitive Fitness Center at Chulalongkorn Hospital Due to success of DMIND and MoCA, our team successfully spun off a new startup company , AIMET . Part-time Software Developer at Agnos Health Sep. 2022 – Feb. 2023 <ul style="list-style-type: none">- Implemented new features on Agnos application Backend with Python and used PostgreSQL as database.- Helped business team automatically scrape clinics in Thailand via Google Map APIs.- Developed the backend for the clinic recommendation feature, enabling the Agnos app to search for clinics associated with diagnosis results and located near your GPS location.- Developed an automated data reader from Excel to SQL database, offering a direct way for the business team to update the clinic list.- Created dashboards for the business team to visualize user behavior using analytical data stored in PostgreSQL via complex SQL queries.	
Project and Participation	Distributed System on Raspberry Pi (ongoing) The project's objective is to establish a Kubernetes cluster using a set of Raspberry Pi Pico devices with two laptops functioning as master nodes. Subsequently, the project aims to deploy a sample microservices application within this Kubernetes environment. The goal is to ensure fault tolerance, allowing each service to automatically restart in the event of a node failure. This project is a part of the Software-defined System final project. CU Task Overflow Web via Kubernetes Our team worked as a Scrum team and architected microservice with Domain-driven design . My responsibilities included implementing a load balancer and setting up service discovery through Kubernetes and Nginx Controller . You can access the project's source code here .	
Communication	Proficient at an intermediate level in English , as it is a part of my daily life, including activities such as studying MIT Open Courseware and reading InfoQ articles. Experienced in working with both waterfall and agile methodologies.	