

Jetnipit Kulrativid

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github.com/jKulrativid

I am a Computer Engineering student at Chulalongkorn University and a part-time software engineer at Chula University Technology Center, a.k.a. Chula UTC. My work experience is mainly focused on backend development and database design.

Work Experience

Software Engineer at Chula UTC

March 2022 – Present

- Designed, developed, and deployed backend API and microservices
- Maintained existing project, worked on legacy code, and ensured consistency of services
- Monitored and migrated database, both SQL and NoSQL

Skills

Programming Languages : Go, C, C++, Python, Java, Scala, Assembly, MATLAB, SQL

Databases : MongoDB, MySQL, PostgreSQL, Redis

Frameworks : Gin, GORM, Fiber, Echo, gRPC, Viper, FastAPI, GraphQL

Cloud Services : AWS EC2, AWS S3, GCP Cloud Storage, GCP Speech-to-Text API, GCP Compute Engine

Tools : Docker, Git, GitHub Actions, Redash, SonarQube, Locust

Others : Qiskit, Logisim Evolution

 **GPA :** 3.63

Current Study

- Performance Engineering (ongoing)
- React.js (ongoing)
- Quantum Physics
- Computational Theory

Language

- Thai (native)
- English (basic communication and reading)

Medium Articles

- [Booth Algorithm](#)

Projects and Participation

DMIND Application with Chula UTC

Mar 2022 – Present

- Developed [depression detection app](#) with 30k users and collaboration with Chulalongkorn Hospital
- Administrated database and cooperated with data scientist
- Maintained the delivered services such as text answer feature

Automated MoCA Application with Chula UTC

Jun 2022 – Present

- Developed automated [MoCA test](#) application which does not require neurologist to operate
- Restructured MoCA backend service and remodeled tangled database design

Newbie Website

with Thailand Incubator Club

Jul 2022 – Present

- Developed job-finding website for university internship which is currently on trial launch for job provider

Individual Study on Quantum Computing

with Prof. Prabhas Chongstitvatana

Jun 2022 – Jul 2022

- Studied on basic quantum computing and quantum communication, such as [BB84](#)
- Graduated from IBM Quantum Summer School 2022

Electronic MoCA Application with Chula UTC

May 2022 – Jun 2022

- Investigated legacy code so that there is no exposed vulnerability
- Implemented new feature that support [PDPA](#) and [IRB](#)

Individual Study on Machine-Learning-Based Image Processing

with Mr. Ekapol Chuangsuwanich

Aug 2021 – Nov 2021

- Trained neural network model to specified tuberculosis and COVID-19 patient with x-ray images