

Nutt Chairatana

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EDUCATION

King Mongkut's Institute Technology Ladkrabang

Aug 2018 - Present

- Bachelor of Engineering
- Computer Innovation Engineering | Cumulative GPA: 3.85 (Year 3/2)

SKILLS

Programming Languages:

Python · JavaScript · C# · Go · Java

Technologies:

Git · Linux · NodeJs · ExpressJs · ASP.NET · Angular · NgRx · React Native · MySQL
MSSQL · MongoDB · AWS · Azure · Docker · Kubernetes · Jenkins · Ansible · Terraform

PROFESSIONAL EXPERIENCE

Mobile Developer · CMKL University

Dec 2021 - Present

- Resign UX and develop a mobile application, called A1CE, which is a learning platform for advancing student-centered learning that allows students to advance based on their ability to master a skill or competency at their own pace through gamified environments
- *Technologies: React Native, Go, Google OAuth2.0, OIDC, Git, CI/CD*

Software Engineer Intern - Full-Stack · ExxonMobil Thailand

Jun 2021- Nov 2021

- Synchronized PM work order data from SAP to Maintenance Record Mobility App through durable function, and REST API
 - *Resulted in promoted the better time-on-tool, ensured the completeness and correctness of compliance report, and let the customer spend more time on things that are more important in the field by automating data sync job*
- Redesigned (UX and system architecture), developed application process to extract calibration template data from the database, exported the result into report file and delivered to users
 - *Resulted in reduced the maintenance administrator's effort to manually extract, consolidate, and validate data from various sources to populate the calibration report (currently there are 90 fields available, originally from 22) with also a faster response time by 30% by implementing data-mapping and restructuring the code and database*
- Implemented an agile concept to promote the application replication and focus on utilization improvement
 - *Resulted in more 8 registered plants approximately 282 users (currently there are 25 enrolled plants, originally from 17) providing them to use the application without the requirement of external software while they are working on the calibration by promoting more features and focusing on application utilization from users' requirements*
- *Technologies: Angular, ASP.NET Core, Azure, CI/CD, Durable function, Git, NgRx, MSSQL, OIDC, SAP, SMTP, Terraform*
- *Cover all software development lifecycle steps: analysis, design, development, testing, deployment, and maintenance.*

Software Infrastructure Part-time · CMKL University

Jan 2021- Mar 2021

- Apex, Cloud ML Infrastructure: securing server SSH, secure shell
 - *Resulted in securing Apex SSH by using SSO, single sign on, to eliminate the need for having authorized_keys files on the servers and offering passive revocation of SSH user certificates*
- *Technologies: OpenID Connect (OIDC), short-lived SSH certificates, Smallstep's open-source SSH Certificate Authority*

Digital Startup Researcher Intern · depa Thailand

Jun 2020 - Jul 2020

- Startup Idea & Investment Analysis
- Global Organizations Supporting Startup Research

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PROJECTS

KinKhorn	Created web application ordering food using NodeJS and ReactJS, designed & built the system architecture using AWS, K8s, and automated the deployment with CI/CD tools
Learning Hub	Created CLI learning system with an online quiz using Go, mainly related to system optimization: cache, threads, parallelism, concurrency, code optimization, etc.
HiewKao	Created web application generating menu recipes from the remaining ingredients in registered fridge using Flask and hosted the app and MySQL database using GCP
KJS Virtual Reality	Created VR game, defending the castle from incoming enemies, from Unity
BLNT, We Grow the World	Implemented IoT that looks after plants using Python WebSocket to communicate between hardware and enabled user to monitor them via mobile application
BLNT Piano	Created software, from PyGame, and hardware that interfaces with a MIDI enabled piano to help students learn
Cozmo Auto Attendance	Created software that automatically check student attendance by face detection and then report the result via LINE and COZMO

ACHIEVEMENTS

- | | |
|---|---------------------|
| • Full Scholarship, Academic Excellence | Aug 2020 - May 2021 |
| • Finalist, Huawei Cloud Thailand | Nov 2020 |

EXTRACURRICULAR

- | | |
|---|---------------------|
| • Assistant Professor, Probability and Statistics | Jan 2021 - May 2021 |
| • Assistant Professor, Physic | Aug 2020 - Dec 2020 |
| • Team Captain of CIE Open House | Nov 2020 |
| • Assistant Professor, Fundamental of Programming | Aug 2019 - Dec 2019 |
| • Instructor Staff of CIE Arduino Workshop | Oct 2019 |

INTERESTS

Web Development · System Infrastructure · New Technologies · Hackathons · Learning