KOLAK KEERATIPATTARAKUL

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KEY STRENGTHS

Dependable, strong logical, and willingly collaborate on team projects. I'm a true innovator and, at the same time, focus on a business perspective that is strongly proactive at analyzing processes and customer feedback to identify opportunities to make a better service or product. Further, I'm a positive attitude, being punctual and promoting collective success.

Education

B.Eng. (International Program), *Computer Engineering,*

King Mongkut's University of Technology Thonburi

JULY' 2014 — JUNE' 2018

Experience

KMUTT Hatch — Startup Thailand League

Joined a startup incubator program; Developed an Embedded IoT device to read sensors data and send electricity usage to Google Realtime Database (Cloud Firestore). Developed an iOS application using Swift to show electricity usage data with the team's prediction machine learning model. In summary:

❖ Validate sensors data with an analog electricity meter
❖ Developed embedded device (ESP8266/ATMEGA32) to read sensors data and send object JSON data over Wifi to Google Cloud Firestore using C and javascript.
❖ Connect an application to Google Real-time database on Firebase.
❖ Implement Google Function to calculate electricity cost
❖ Implement user authentication with Firebase authentication service.

FEB'2018 — AUG'2018

Freelancer & Outsource — Front End developer

Worked on different projects that fit customer needs and design, adjusted the projects to their real need. Hands-on experience with many types of technologies frameworks, databases, and technologies

❖ Implemented a website, from a gathering requirement, create a prototype to website deployment.
❖ Translate UX/UI design into website development to deployment.
❖ Built single-page application with responsive web design, grid layouts, CSS, SCSS, and using js framework React js, Vue js.
❖ Implement RESTful back-end using Express framework.
❖ Connect to MongoDB Atlas database with connector (Vue js).
❖ Github version control.

FEB'2019 — CURRENT

G-Able Co. Ltd — Data Science Internship

Developed python based real estate location-based score to validate property valuation for each property within Bangkok metro area.

❖ Gathering requirements and understanding the customers' need
❖ Cleansing data with unexpected noises and keep only what's matter
❖ Design an experiment for a machine learning score-based system on Jupyter's notebook.
❖ Make a prediction model based on different statistics equation
❖ Visualize with a tableau

JUNE' 2017— JULY' 2017

Engineering skills

❖ Reactjs, Vuejs
❖ Javascript, TypeScript
❖ Mongodb, Postgres, MySQL
❖ HTML, CSS
❖ MQTT, RESTful protocol
❖ Python
❖ Swift, Cocopods
❖ Java

Software engineer skills

❖ Requirements analysis
❖ Project lifecycle management
❖ Knowledge of Agile in sprint
❖ Generate documentation
❖ Reviewed and assessed architecture design and use of technology stack
❖ Knowledge of budget administration
❖ Knowledge of UML diagram and test case

Other Skills

❖ Good use of Microsoft Office Suite
❖ Create visualization and dashboard using Tableau
❖ Native in Thai
❖ Influence in English

Certificates

❖ **Foundations of Project Management at Google**