



Watcharawit Yuthong

SOFTWARE DEVELOPER

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PROFILE

A Full Stack Developer to produce scalable software solutions. I am a part of a cross-functional team that's responsible for the full software development life cycle, from conception to deployment.

An ambitious and self-motivated developer with a considerable technical skill who possesses self-discipline and ability to work with minimum of supervision. Able to play a key role in website/mobile development to ensure maximum accessibility, user experience and usability. A quick learner who can absorb new ideas and can communicate clearly and effectively.

WORK EXPERIENCE

SOFTWARE DEVELOPER

Mar 2022 - Present

CPF IT

- Writing and testing code for new programs
- Updating existing programs
- Identifying and correcting coding errors
- Rewriting programs for different operating systems
- Secure program against cybersecurity threats

PROGRAMMER

Apr 2021 - Mar 2022

Mitsubishi Motor Thailand

- Develop web applications to support IoT projects using IoT platforms.
- Support implementation projects.
- Design data model and database schema.
- Tester, Project Coordinator, Trainer

PROGRAMMER (INTERNSHIP)

Nov 2020 - Mar 2021

Mitsubishi Motor Thailand

- Develop web applications to support IoT projects using IoT platforms.
- Design UX/UI, data model and database schema, Tester.
- Get user requirements, System Analyst.

EDUCATION HISTORY

COMPUTER ENGINEERING

2017-2021

Kasetsart University Sriracha Campus

- Graduated with GPA of 3.56
- First-class honors.
- Medal for excellent academic performance (2019)
- Academic result 5A 2/2019
- Academic result 5A 1/2020
- Academic result 5A 2/2020

SCIENCES AND MATHEMATICS

2014-2017

Bangsaphanwittaya School

- Graduated with GPA of 2.89

SKILLS

- ThingWork Platform, KEPServerEX Connectivity Platform
- ThingWorx Analytics, K-Means, LinearRegression, Random Forest, Neural Network, Decision Tree
- C++, Java, JavaScript, Python, VBA
- HTML, XML, JSON, CSS, SCSS, CSV, REST API
- MySql, MySql Workbench, MsSql, Firebase, PostgreSQL
- MVC, Codeigniter, Bootstrap 4, React Native, CUBA/Jmix Platform, Sklearn(Python Library)
- Figma, Docker, GIT, Jenkins
- Azure Board, Azure Repos, Azure Dashboard
- PdM, IoT, ML/DL, Rasperry Pi, PLC datatag

PROJECTS/ACHIEVEMENTS

SNAKE LADDER GAME (PYTHON)

- The player throws the dice Then walks along the box made according to the points on the dice. If you fall down the stairs, go up to the end of the stairs. If you fall into a box with a snake to descend from the snake's mouth to the snake's tail take turns doing this until reaching the finish line.

RESTAURANT MANAGEMENT PROGRAM (JAVA, SQL)

- Customers can view all food items and the price of food and can add food items that customers order. The system will automatically calculate the total price of the product.

WEB APPLICATION SAMO SYSTEM (HTML, CSS, MYSQL, CODEIGNITER, BOOTSTRAP4, PHP)

- This is a system for managing the activities of the Faculty of Engineering.

MOBILE APPLICATION CPE DRINK (REACT NATIVE, FIREBASE)

- List, Navigation, Redux, Firebase Authentication, Firebase Firestore, Firebase cloud storage.
- It is a mobile application social network for entertainment is an app designed for use in the pub.

FLOOR/OVERHEAD CONVEYOR MONITORING SYSTEM (KEPWARE, THINGWORX, MSSQL)

- Show tower lamp status.
- Show active and historical downtime of each asset.
- Show automate downtime report(Pareto chart).
- Availability calculation

SITE OVERVIEW (KEPWARE, THINGWORX, MSSQL)

- Show process status.
- Visualize production result monthly/yearly trend to benchmark the current date with the previous time frame.

REALTIME PRODUCTION PERFORMANCE MONITORING (KEPWARE, THINGWORX, MSSQL)

- OEE calculation
- OEE drill down, Availability drill down, Performance drill down, Quality drill down
- Downtime monitoring
- Quality monitoring

ASSET HEALTH MONITORING (KEPWARE, THINGWORX, MSSQL)

- Show real-time asset status.
- Show active and historical alarms of each asset.
- Show active and historical downtime of each asset.
- Asset troubleshooter.

PRODUCT TRACEABILITY/QUALITY CONTROL (KEPWARE, THINGWORX, MSSQL)

- Shiftly monitor the controlled parameter in each process.
- Show detail of each out-of-range parameter event in each shift.
- Show related VIN of each body located in the out-of-range parameter period.
- List all logs and related information of each VIN (Painted Body) i.e. Parameter Log, Inspect Log, Repair Log, and Re-Coat Log.

SMART WASTEWATER TREATMENT PLANT (KEPWARE, THINGWORX, MSSQL)

- Track key metrics of wastewater treatment plants such as Recycle Rate, Water Quality Index, the unit cost of wastewater treatment.
- Track the status of the machine in the wastewater treatment plant.
- Show alert notification for anomaly detection as pre-configured in the system such as pump down, chemical level low, or pH level lower standard.

ORDER 2POS (JMX PLATFORMS) ROLE : FRONT END

- Sync new orders from Shopping online platform.
- Check the order status.
- Check inventory.
- Add a new distribution channel
- View reports (Sales report summary, sales statistics, best sellers).

E-TAX (JMX PLATFORMS) ROLE : FULL STACK

- Web showing documents to view, print, and download, tax invoices, debit notes, and credit notes.
- Customers can view their own documents.
- CPF employees can view, print, and download the documents of the customers they are responsible.
- The system can view, print, or download documents (This is a document that cannot be edited).
- Can use this information to send to the Revenue Department.
- Able to view the document retrospectively Customers can view their own for no more than 6 months and employees can view the past 7 years.

LET'S DORIAN LOTUS (JMX PLATFORMS) ROLE : FULL STACK

- Application form Let's Dorian.
- View application results and export them as an excel file.

THINGWORX IOT PLATFORMS DEVELOPER TRAINER

- Basic/Advance IoT Developer Training
- End-User Training
- Prepare and design data model, component and development CI/CD process
- Workshop real-world use case.
- Integration technology such as 2D/3D, SVG, Line, SMS and Google Map