PHURIS SOMKAEW

SOFTWARE ENGINEER / JUNIOR DEVOPS ENGINEER

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PROFILE

- First career: 9 months and 15 days of work experience as a junior software engineer who designed and developed an inventory app website using ERP concepts and included IT support tasks.
- Second career: 3 months as a junior DevOps engineer.
- Full passion in the Flutter developer career.
- Skilled in Flutter coding (web/android) , Gitlab CI/CD script , Docker , Kubernetes , Ubuntu Linux , MongoDB , Firebase , MariaDB , PostgreSQL , OpenLDAP , Keycloak , etc.
- Hard-working and self-learning simultaneously / Open-minded to suggestions from the corporation.

Seeking to apply my abilities to fill the role in your company.
I'm literally ready to be a part of your team to help your company achieve its goals.

SKILLS

- Flutter Android/Web (dev&build)
- NoSQL (Firebase/MongoDB)
- RDBMS (MySQL/MariaDB/PostgreSQL)
- ERP Concepts
- Data Visualization / Design of experiment using Excel
- HTML / CSS /JavaScript
- React.js
- Python

- Gitlab CI/CD Script
- Ubuntu Linux
- Docker
- Kubernetes
- Data Migration
  (Open LDAP - Key Cloak - DB)
- Golang
- Cloud AWS

- **English (B2) IELTS overall score : 5.5**

EDUCATION

2019 - 2023
KASETSART UNIVERSITY

- Bachelor of Industrial Engineering
- GPA : 3.14

CAREER EXPERIENCE

1 Software Engineer (9 months and 15 days) **Aug 2023 - May 2024**

- The first two months will be IT support and learning Flutter.
- Mini project #1 : Fetching JSON API data and showing them as a dashboard using Flutter.
  Source code : https://github.com/Phatanut/using_api_tocall_dashboard
  Raw data : Rainfall data Excel platform (CSV file).
  Website which transform CSV to JSON API : NoCodeAPI (freeware).
  Dashboard : line chart and bar chart using “syncfusion charts” package.
  Processes :
  - Put the raw data CSV file and transform it to JSON API using NoCodeAPI.
  - Flutter coding :
    1) Using the copy JSON API url in fetching API method.
    2) Filter method : Showing the average rainfall data after choose “Province” and “Year” as the dropdown respectively.

- Mini project #2 : Fetching data from MongoDB and showing them as a dashboard using Flutter.
  Source code : https://github.com/Phatanut/using_mongodb_tocall_dashboard
  (Same raw data and the showing dashboard scenario.)
  Database using : MongoDB Atlas , MongoDB Compass.
  Processes :
  1) Importing CSV raw data file to store in MongoDB Atlas.
  2) Connecting between MongoDB Atlas and Flutter : Using MongoDB Compass
  to connect with MongoDB Atlas and then using the MongoDB Compass URL to connect with Flutter.
  3) Filter method same as Mini project #1 method.

  Pros : You can modify data in MongoDB and it will update automatically in Flutter.

  Line_chart_ex Bar_chart_ex

- Inventory App website using ERP concepts (15% finished).
  Frontend : Flutter (web)
  Database , Authentication , Hosting : Firebase
  Demo website : https://inventoryapps-632b3.web.app
  Source_code : https://github.com/Phatanut/ERP_FLUTTER_SYN
  Categories : 3 categories
  1) CRM : To store employees data who fill details and send the form.
  2) Sales : Pipelines , Purchase requisition form , Comparison of quotation , Purchase order form.
  3) Inventory : Receipt , Bill of lading , Stock , Re-stock , List of Bill montly , Type of stock , Pipelines.

2 Junior DevOps Engineer (3 months) **Sep 2024 - Dec 2024**

- Gitlab CI/CD pipeline (6 backend services)
  CI-Pipeline : Building 6 backend service images using DockerFile and then Pushing all of them
  to store at Harbor Registry.
  CD-Pipeline :
  1) Deployment of all services using deployment.yaml (Kubernetes).
  2) Deployment using helm chart :
  stage 1 : Controlling code release in Helm chart repository using revision principles
  (Fetching code release or tag number from dev repository).
  stage 2 : Pushing code release that has passed the revision process and then goes into the Helm chart repository.
  stage 3 : Deployment of all services using the helm chart method.

Result of CI/CD Pipeline

- Data Migration Tools : OpenLDAP - Keycloak - MariaDB,PostgreSQL
  1) Using a Python script + ADUser to migrate data from MariaDB, building it as a ".ldif file", and then putting this file
  to update in the OpenLDAP server (VM). After that, synchronizing data to Keycloak and PostgreSQL.
  2) Using Python script to modify some of the KYC user type and update in the OpenLDAP server.

etc :
- Configuration of OpenLDAP and Keycloak to open that services in new VM.
- Configuration + Migration of data from old MongoDB enviroment to new MongoDB enviroment.
- Nova & Neutron in Microstack (Openstack).
- Monitoring & Notification using Zabbix-agent.

REFERENCES

IELTS_SCORE TRANSCRIPT Employment Reference Letter Hand over CI-Script Hand over CD-Script Certificates_Including_IT