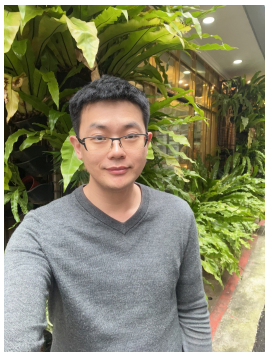

FRED YEH

DEVOPS

Hello, my name is Fred (Chinese name：Shau Tang), and I am based in New Taipei City, Taiwan, near Taipei City (UTC+8). I am an experienced DevOps engineer with 3 years of hands-on expertise in a variety of technologies, including Linux, Git, GitLab, Jenkins, Bash/Shell scripting, Python, C#, Batch scripting, Docker, Kubernetes, Helm, NGINX, AWS, MySQL, and Redis. I have successfully deployed and managed environments across multiple platforms, including:
Frontend: PHP, Node.js
Backend: Django, PHP
Mobile Apps: Android Studio, Flutter, Xcode, Fastlane
As part of my future plans, I aim to find a remote job that allows me to balance professional growth and family responsibilities, as I intend to get married and start a family within the next two years. I am committed to dedicating 95% of my working hours to professional tasks, while reserving 5% for ensuring my child's safety, if necessary. In my free time, I enjoy self-improvement and staying up-to-date with the latest technologies through platforms like YouTube. With a strong passion for continuous learning and efficient systems management, I am eager to contribute to a forward-thinking organization in the DevOps field.

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EXPERTISE

- AWS -- Limited
- Kubernetes -- Limited
- CI/CD Pipeline Implementation -- Limited
- Cloud Monitoring Systems -- Limited
- Infrastructure Cost Optimization -- Elementary
- Python -- Professional
- Shell -- Professional
- Docker -- Professional
- MySQL -- Professional
- Redis -- Limited
- Linux, Crontab, grep, awk, In...

REFERENCE

Strengths

- Initiative
- Collaboration
- Problem-Solving
- Adaptability
- Time Management

EDUCATION

2002~2006

Undergraduate Degree

National United University -- Miaoli.Taiwan

CERTIFICATION

2021

TQC Python3

Techficiency Quotient Cerfification
Python3

INTEREST

Coding

Watching YouTube

3D modeling && VFX

Singing and Playing with Ukulele by myself in the same time.

Marathon

Making money

EXPERIENCE

2023 - present

MARS E-BANK.COM INC

DevOps

● Coding with Shell / Bash Script
● Coding with Python
● AWS Cloud (EC2, EKS, RDS, ElastiCache/Redis, VPC, Route 53, Certificate Manager, CloudFront, CloudWatch)
● gitlab CI/CD to K8S cluster (Rancher, Python Django, NodeJS/Vite/React)
● Dockerfile
● Dcoker command line, Kubectl Command line, Docker Registry
● VMWare
● linux (Ubuntu, alpine)
● Discord bot (Error message Alert)
● MySQL command
● TerraForm
● Python Django API framework deploy
● NodeJs Vite frontend framework deploy
● Xcode, Andorid Studio, flutter, fastlane
● WireShark, tcpDump, ping, Traceroute

2021 - 2023

MOMODA.CO., LTD

DevOps

● Coding with Shell / Bash Script
● linux / CentOS, Debian
● PHP env deploy
● AWS, GCP, Aliyun, TencentCloud
● CDN：CloudFlare, Aliyun, TencentCloud
● MySQL
● Redis
● Zabbix
● Prometheus
● Ansible / Salt
● Git
● Jenkins

MY PROJECTS

Project for Managing Docker Registry Disk Space

Solution to address the issue of a full disk in the Docker Registry

● Automation: Used crontab to schedule periodic scans.
● Image and Tag Retrieval: Leveraged curl and jq to fetch image and tag information from the Docker Registry API.
● Cleanup Logic: Identified images older than 180 days and automatically deleted them.
● Notification: Sent the deleted tags and their creation timestamps to a Discord channel for logging and monitoring purposes.

Scheduled Scanning of Kubernetes Pod Logs for Error Messages

Python script to monitor and report errors in Kubernetes pod logs

● Automation: Utilized crontab to schedule periodic scans.
● Log Retrieval: Used Python's os and requests libraries alongside kubectl logs to fetch log messages from pods within specific namespaces.
● Error Detection: Filtered log data to identify error messages.
● Notification: Sent identified error messages to a Discord channel for prompt alerting and resolution.

Scheduled Monitoring of Kubernetes Node and Pod States

Python script to monitor the status of Kubernetes nodes and pods and take corrective actions if issues are detected

● Automation: Utilized crontab to schedule periodic scans.
● State Monitoring: Employed Python's boto3, os, and requests libraries to check the status of clusters, nodes, and pods.
● Alerting: Detected states such as cordon, drain, or any non-running/terminating status and sent notifications to a Discord channel.
● Remediation: Used boto3 to interact with AWS and perform redeployments or rollout restarts for affected deployments.

CONTACT

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SOCIALS

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