

ChinCheng Cheng

SOFTWARE ENGINEER

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Summary

3 years experience specializing in the fullstack development, infrastructure. Enjoys to customize all of the development environment. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises.

Skills

Working on Kubernetes, Helm 3, Elastic Stack, Kube Prometheus Stack, Jenkins, Spinnaker, vSphere, AWS, GCP, Cloudflare
Programming Go, Shell Script, Terraform, Ansible, Python, Java, React, C#
Languages Mandarin, English

Work Experience

Newtype Games Limited

Taipei, Taiwan

SITE RELIABILITY ENGINEER

Jun. 2020 - Present

- Design and implement Elastic Stack as a logging system. After comparing filebeat and fluentd, because Filebeat is closer to the native Elastic Stack and the current number of services does not need to use fluentd.
- Design and implement on-premise Kubernetes. Use Rook-Ceph as storage to deploy devops services such as Prometheus, Grafana, Influxdb and Jenkins to kubernetes through helm.
- Use kubernetes, GCR and Ansible on Jenkins to design and build CI/CD pipelines on containerized applications to achieve the goal of daily deployment. Among them, Trunk-based development is used as a software development strategy.

TrendMicro Inc.

Taipei, Taiwan

SOFTWARE ENGINEER

Oct. 2019 - Mar. 2020

- Design a self-service website that provides rights management (RBAC) and user activity history. Developed using React and .Net Core and deployed to AWS EKS via Helm.
- Design a service that provides device detection and alerting capabilities to enhance SSO security. Use .net core console to develop services and utilize Kafka's pub/sub function to achieve decoupling between systems.
- Design a system to provide records and query user authentication records. Use .net core to develop RESTful API services and deploy and use a combination of graylog, elasticsearch, fluentd to record audit logs.
- Use Jenkins Pipeline and Docker to improve the existing ci process to achieve a clearer display and easier debugging of the ci process.

Above Tech.

Taipei, Taiwan

SOFTWARE ENGINEER

May. 2019 - Sep. 2019

- Develop and maintain a stock market real-time quotation system. Use Java to develop the core system and RESTful API, which will be merged from the source and sent to Redis and NChan for use by other services.
- Develop and maintain a strategy system to analyze and calculate stock market information. Develop business logic using Java and use Clickhouse to efficiently analyze more than one billion documents.
- Develop and maintain ExcelAddIn. Implement Line OAuth2 login to achieve rights management, and use WebSocket and RESTful API to present stock market real-time quotes and strategy results.

President Futures Co. Ltd

Taipei, Taiwan

SYSTEM ENGINEER

Sep. 2016 - Apr. 2019

- Design and implement a bulletin system. Use .Net Core to develop RESTful API and Angular 2 develop background management website, and send messages to clients through RabbitMQ.
- Design and implement a modular futures trading platform based on wpf and prism, providing a trading platform with customized requirements.
- After researching and VCS and CI, use Docker to deploy Gitlab. Import and educate the development team to improve development efficiency.

Education

National Taichung University of Science and Technology

Taichung, Taiwan

B.S. IN COMPUTER SCIENCE

Sep. 2010 - Jun. 2014

Writing

Personal learning record

WRITER & MAINTAINER

GitBook

Jan. 2017 - PRESENT

- Development and deployment about side projects.