Sean **Zheng**

Technical Lead

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Summary

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

Skills

Working on	Blockchain, Kubernetes, AWS, Helm, Prometheus Stack, Github Action, MongoDB
Programming	Go, Terraform, Python, Makefile, Shell script, React
Languages	Mandarin, English

Work Experience

Hashgreen Inc.

Taipei, Taiwan

Technical Lead — *Sep. 2021 - Present*

- Design micro-service using gRPC as communication and Consul as Service discovery to implement Decentralized exchanges(DEX) based on Chia blockchain and deployment on EKS achieve high reliability. And collect whole business metrics for marketing analytics to continuous improvement product through Influxdb, Prometheus and Grafana.
- Design and implement whole infrastructure using AWS as public cloud and Cloudflare as dns hosting and through Terraform(IaC) to management.
- Design CI/CD pipeline based on Trunk-based development and formulate standard commit message for our team members following and implement the pipeline through GitHub Action achieve standard, efficient development and delivery workflow.
- As leader, lead and manage engineer team of 5 people above and focus on software engineering formed workflow and promote Agile mindset, DevOps culture. leading tech sharing, writing blog posts, etc.

Newtype Games Limited

Taipei, Taiwan

Site Reliability Engineer — *Jun. 2020 - Feb. 2021*

- Install Kubernetes On-Premises with Kubespray, manage with Helm and use Rook-Ceph for the storage to provide DevOps service by implementing applications such as Prometheus, Grafana, Influxdb and Jenkins, etc.
- Design CI/CD pipelines based on Trunk-based development and build the pipelines by using Kubernetes, GCP and Ansible on Jenkins to
- Design and implement Elastic Stack as a logging system which collects log data from Docker containers.
- Deployed a centralized monitoring environment (Grafana, Prometheus Stack, InfluxDB) which gather system metrics as well as docker run-time metrics and business metrics.
- Use GoLang to design and develop common entry points for all services. Use GCS as configuration storage and obtain configuration and sensitive information through entry points.

TrendMicro Inc.

Taipei, Taiwan

Software Engineer in Product Licensing Service (Contractor) — *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.

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 RabbibMQ.
- 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

M.S. in Computer Science — *Sep. 2014 - Jun. 2016*