

Harrison's CV

- Topic: SRE Devops Golang kubernetes container

About me

- Name: Harrison
- Work experience: 12 years
- Expect position: SRE/ Infrastructure developer/ Devops engineer
- Expect city: Singapore/ Tokyo
- Email: wcg6121@gmail.com
- Educational background: Junior College

Skills

- Programming language: Golang, Python, Rust,
- Version control: Git (gitlab、github、gitea)
- CI/CD: [Drone](#) Jenkins
- Database: MySQL, TiDB, TiKV, Codis, Redis
- IaC: [Terraform](#) [RKE](#)
- Infa: Kubernetes, OVS/OVN, Fannel, Calico, RoCE, IB, IPoB
- Container Tech: RKT, Docker
- Ops: LNMP, Linux Kernel Parameter, MySQL, CEPH, docker, kubernetes
- OS: Centos 6/7, CoreOS, Ubuntu 16.04
- cloud platform: AWS Alicloud TencentCloud

Educational background

- Start and end time: 09/2008 ~ 07/2011
- Education Level: Junior College
- Institution: Shangqiu Normal University
- Certificate No.: 1048 3120 1106 8932 78
- Status: Graduated

Work experience

TikTok

- start and end time: 12/2022 ~ now
- Position: SRE(2.2)
- Responsibility: Maintaining the stability of international e-commerce operations.
- Detail:
 - Setting up SLIs (Service Level Indicators) and SLOs (Service Level Objectives), and configuring alerting rules based on the established SLOs.
 - Analyzing weekly SLI reports and providing recommendations to the development team for improving SLIs.

- Supporting Black Friday promotions, determining on-duty schedules, and establishing team collaboration methods.

Tencent Cloud

- Start and end time: 08/2019 ~ 12/2022
- Position: Senior backend developer (T10)
- Responsibility: Develop and maintain TKE Serverless cluster
- Detail:
 - Responsible for designing and implementing the architectural evolution of TKE Serverless product versions 1.0, 1.5, and 2.0.
 - Responsible for designing and implementing the TKE Serverless Windows container product.
 - Developing a customized TKS Serverless-specific Linux distribution to optimize cold start speed.

Momenta

- Start and end time: 02/2018 ~ 08-2019
- Position: Infrastructure developer
- Responsibility: Design and implement a machine learning platform
- Detail:
 - Designed and developed the **go-slurm** deep learning platform, supporting caffe2, tensorflow, and pytorch frameworks for execution in MPI mode, with support for hybrid cloud deployment.
 - Designed and developed **cacheFs**, a distributed storage system, optimizing file read performance for AI model training scenarios through memory, local NVMe, and client cache clustering.

YOOZOO

- Start and end time: 03/2015 ~ 01-2018
- Position: devops
- Responsibility: Promotion of new technology, Paas platform development.
- Detail:
 - Implemented cronjob management and remote task orchestration based on HashiCorp Serf
 - Designed and implemented a CMDB to manage and maintain all company resources, services, and servers in a tree-like structure

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- Start and end time: 09/2013 ~ 03/2015
- Position: devops
- Responsibility: Responsible for CMDB and monitoring system development and maintenance.
- Detail: Deploy and maintain zabbix monitoring system. Develop internal CMDB, manage operation and maintenance data.

Huanle Entertainment

- Start and end time: 02/2013 ~ 05/2011
- Position: Ops

- Responsibility: Maintain all company servers
- Detail: From server spec selection, IDC selection, to linux systems, game services and all other work related to operation and maintenance.

The9 Limited (intern)

- Start and end time: 05/2010 ~ 5/2011
- Position: intern of NBU1
- Responsibility: Game server and website maintainer.
- Detail: Maintain Linux system and nginx service.