**Sheng Zhang** *male|31 years old| Shaanxi Xi'an*

Work experience: 8 years

Job intension: DevOps Engineer, Cloud Engineer

Personal skills:

* 3+ years of Public cloud platform Alibaba Cloud, Huawei Cloud, Tencent Cloud, cloud-build cloud-scheduler pub/sub etc.
* DevOps experience with CD/CI, Automation experience, Terraform,

Ansible,Gitlab,Jenkins pipeline etc.

* Monitoring AppDynamics Zabbix Centreon etc.
* Database Postgresql Mysql sqlserver redis etc.
* Network Switch TCP/IP VLAN VPNSETUP etc

**Work experience:**

**中软国际科技服务有限公司(HSBC SPCOE-ALI)** 2021.03 –

2023.04

1. Kafka deployment pattern design and deploy at ACK cluster configuration
2. Mss project Jenkins pipeline CI/CD design and configuration
3. SPCOE-Kong-ALI project ACK deployment design log collection, network-plugin & network-policy configuration
4. SPCOE-Simple-Secret Manager project development, based on the

Flask framework and Alibaba Cloud OSS

**北京瑞友科技股份有限公司** 2019.03-2021.03

1. Maintain applications deploy on Google Cloud and AWS Cloud, and automate CI/CD deployment process design
2. Responsible for the research and development of the unified account management platform within the enterprise, and the development of various operation and maintenance tools, voice alarms, and email alarm platforms.
3. Responsible for the maintenance of the advertising business under the AWS platform, building an intelligent alarm and service strategy operation and maintenance platform.

**深圳市法本信息技术股份有限公司北京分公司** 2018.05-20

1. Responsible for daily system maintenance, monitoring, backup, tuning, failure, 7\*24 quick response
2. Promote and develop efficient automated operation and maintenance and management projects, jenkins automated release and ansible automated deployment
3. Formulate and optimize operation and maintenance solutions, and optimize spring cloud cluster deployment;
4. Explore and research new operation and maintenance technology directions, Kubernetes cluster practice

**北京轩洋智业技术有限公司** 2016.03-2018.04

1. Deployment and maintenance of Nginx, apeche, tomcat, mysql, zabbix and other software
2. Online service, application, storage, network, load and other monitoring work
3. Website operation and maintenance management, package project version release, configuration file debugging, etc.
4. Handle sudden failure and disaster recovery of websites, databases, server systems, etc..
5. Servers, fire protection please wait for new equipment to go online and perform performance stress tests
6. Daily inspection, data backup synchronization, technical document editing and docker container practice
7. Alibaba Cloud ECS server, CDN, domain name and OSS maintenance and management

**新华卓越健康科技发展有限公司**  2015.03-2016.03

1. The main work of the CRM system deployment of 18 institutions across the country;
2. The company's docker container technology research and production environment application;
3. The implementation of high-availability solutions for the company's business and the cluster deployment of the company's e-commerce and portal websites;
4. Automatic operation and maintenance tool Saltstack maintenance and online application, and constantly improve IT systems such as system monitoring, resource management, and authority management;
5. Improve the company's database backup strategy;
6. Optimize the service-related parameters of each system of the company to improve the stability of system operation;
7. Responsible for the preparation of the company's operation and maintenance technical documents.

**Project experience:**

1. **Kafka deployment Pattern support (HSBC SPCOE-ALI) 2022.10 -**

**2022.12**

* + Design of Deployment Architecture for Kafka Based on ACK

Cluster

* + Kafka cluster load testing and confluence document for configuration

1. **HOCS Project CI/CD Configuration (HSBC SPCOE-ALI) 2023.02 -**

**2023.03**

* + HOCS project CI/CD Jenkins pipeline design and configuration
  + Docker image build, image-tag promotion and ACK deployment update

1. **SPCOE-Simple-Secure Manage (HSBC SPCOE-ALI) 2023.02 - 2023.03** SPCOE-Simple-Secret Manager project development, based on Flask framework, back-end based on Alibaba cloud OSS of secret management platform
   * Based on Flask Framework development, architecture design, OSS back-end directory architecture design
   * Implement KMS-Encryption and OSS-File-Storage Back-end Interface by Flask Framework.
   * Automatically generate swagger pages based on interface parameters in the Flask Framework
   * Implementation of User login Interface and JWT Authentication

1. **SPCOE-Kong-ALI (HSBC SPCOE-ALI) 2022.12 - 2023.03** 
   * Implementation of Kong Network Agents deployed in ACK

Clusters (Resource Access across Resourceset)

* + Kong Security Protection Based on K8S Network-Policy and ALI-

CLOUD Security-Group

* + Applications deployed in the Alibaba Cloud-based ACK environment use FLUENTD to collect logs and send them to different Kafka-topic according to application attribution, and display the log content on Kibana
  + Automatic deployment and configuration changes of FLUENTD

based on Jenkins pipeline

1. **DSP Advertising Business Migration AWS New Account** (**北京木瓜移**

**动科技股份有限公司**) 2022.07-2022.08

Company-owned DSP Advertising Business Migration AWS New

Account Architecture Design, Migration Schedule, Business

Alignment and AWS Support

* + log collection system, monitoring alarm system,
  + AWS Aurora Database migration, AWS EMR Cluster migration
  + S3 Data Synchronization and Permission Design
  + IAM role configuration
  + Build Gitlab, configure gitlab-ci/cd process
  + Configure AWS account Authing SAML authentication, initialize authentication roles.
  + Configure AWS ECS EKS Cluster, AutoScaling Group AutoScaling

Policy with CloudWath event configuration.

1. **Office Unified Certification Management Platform** (**北京木瓜移动科技股份有限公司**) 2022.05-2022.08
   * Integrated Authing, LDAP, radius Authentication
   * Manage Gitlab, VPN, WiFi, Samba's account opening and closing
   * Regularly clean up the accounts of former employees, close or disable accounts
   * Django, ant.design.pro development

**Performance:**

* + Unified management of employee accounts, unified certification, and new employees log on to the basic accounts
  + Employees have a unified page to manage account passwords for each platform.
  + Regularly check employee status and account status to ensure that the account of the departing person is closed