

# SU Zhenxing

(+86) 156 0862 7207 | [cielszx@163.com](mailto:cielszx@163.com)

4.5 years' experience in software engineering,  
including 2.5 years' experience in AWS cloud development and maintenance.

## WORK EXPERIENCES

### Standard Chartered

Guangzhou

Cloud Engineer

Jun. 2022 – now (29 months)

- In charge of cloud maintenance. Help with different application teams to build and manage AWS resources, provide solution for deploying AWS IaaS services, help resolve deployment issues, manage accounts lifecycle.
- In charge of cloud tools deployment including automated tool and monitoring tool. Reduce manual operations and improve system security and stability.
- Get certificates: AWS Certified Solution Architect Professional 2024, AWS Solutions Architect Associate 2023

### E Cloud Technology, China Telecom

Guangzhou

Backend Development Engineer

Jul.2020 – May.2022 (23 months)

- In charge of cloud computing infrastructure development using Golang. Complete work of resource optimization and service refactoring.
- In charge of billing support. Realize abnormal billing ticket detection and repair, achieving 99% accuracy on a scale of 10 million daily billing data.
- Work as configuration administrator to manage Apollo configurations of more than 20 microservices in 5 different environments.

## PROJECT EXPERIENCES

### Cloud Reports Monitoring System

Standard Chartered

Description:

- In order of ensuring the production services are high available and stable, cloud development teams turn on backup option for different services (EFS, RDS, etc.) and generate reports of backup results for all production accounts, cloud reports monitoring system is to monitor these reports, give a notification when report is missing, and demonstrate all missing alerts in Grafana.

Responsibilities:

- Collect all reports and discuss with development teams of different reports generated process.
- Place a hook in reports generated process, record every report running into database.
- Use python and terraform to develop an AWS Lambda to do scheduled running to find missing reports and notify corresponding teams, demonstrate all missing alerts in Grafana.

### Service Accounts Monitoring Tool

Standard Chartered

Description:

- Cloud maintenance team own 80+ service AD accounts for different usage (AMI management, DB read-only, etc.), each account needs to update password periodically. Service accounts monitoring tool is to monitor accounts' lifecycle and remind accounts owner to update password in case account expire.

Responsibilities:

- Use python and terraform to deploy a Lambda function to generate data with all accounts in queue which will expire soon and already expired.
- Trigger a Jira ticket to inform accounts owner to reset the password in time.

### AWS Reserved Instance Purchase Tool

Standard Chartered

Description:

- Application Teams around countries need to purchase RI every month and spend a lot of time during operation process. RI purchase tool is to automate purchase process and reduce manual operation to save time.

Responsibilities:

- Use python to complete the function of RI purchase, support different types of reserved instances including RDS, EC2 and OpenSearch for bulk purchasing. Deploy the function to Rundeck for easier use.
- Save 90% time for RI purchase process.

## Edge Resources Billing System

E Cloud Technology, China Telecom

### Description:

- Billing system is to charge for edge resources (including CPU, memory, storage) usage, billing data need to be collected from edge and send to log centre team, IT platform team, then generate final statement for customer.

### Responsibilities:

- Set up a service on edge to pull data from Prometheus and send the data to Kafka, set up another service on cloud to pull the data and generate billing tickets.
- Work with log centre team, IT platform team, use Kafka to send and receive billing tickets, use original ID to perform uniqueness verification to avoid duplicate tickets.

## Network School System

### Description:

- Network school system is to provide platform for students to study on web.

### Responsibilities:

- Lead a team of 8 people to communicate with school about requirements and prototype design.
- Use Java to deploy backend service with SSM framework, and use JavaScript to deploy frontend service with VUE framework, implement learning and information parts of network school system.

## EDUCATION

### Wuhan University

Wuhan

Master of Computer Science

Sep.2018-Jun.2020

- Modules: Software Engineering, Big Data Analysis, Web Development, Cloud Computing
- Rewards: Outstanding Student Scholarship, Outstanding Graduate

### Wuhan University

Wuhan

Bachelor of Computer Science

Sep.2014-Jun.2018

- Modules: Advanced Mathematics, Database Management, Data Structures and Algorithms
- Rewards: GPA Top 10%, English (CET-6: 559), National Encouragement Scholarship
- Qualification: Software Designer (Computer Technology and Software Professional Technical Qualification)

## PERSONAL SKILLS & INTEREST

- Programming: Python, Java, Terraform, Golang, SQL
- Tool and Technology: AWS, Jira, Confluence, Jenkins, Git, Scrum, Kafka, Prometheus
- Interest: cycling, badminton, traveling and piano