

# SU Zhenxing

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**4.5 years' experience** in software engineering, including **2.5 years' experience** in AWS cloud development/ SRE.

Masters' in Computer Science, looking for opportunities in cloud development/ maintenance/ devops.

## WORK EXPERIENCES

### Standard Chartered

Guangzhou

Cloud Engineer / Cloud SRE

Jun. 2022 – now (28 months)

- In charge of Cloud development and operation, build and manage AWS resources, improve system security and stability, deploy tools for reducing manually operations.
- Setup a monitoring tool for internal service accounts password expire notification. Generate data with all accounts in queue which will expire soon and already expired using AWS Lambda, trigger a ticket to inform SRE members to reset the password in time. Monitor the accounts lifecycle and ensure availability of accounts (**Using Confluence, Jira, Python, AWS, Terraform**).
- Set up a monitoring tool for internal cloud reports in AWS. Give a notification when the report is missing. Improve reports stability (**Using Terraform, Python, PostgreSQL, Jenkins**).
- Create an automated tool for AWS RI purchase. Support different types of reserved instances including RDS, EC2 and OpenSearch for bulk purchasing. Reduce manual operations and save time (**Using Python, Rundeck**).
- Analyse AWS Security Hub tickets. Review the custom detector and AWS recommended security hub alerts for high availability and fault tolerance, check the module code and rules to analyse if the non-compliant alerts should be excluded or fixed.
- **Get certificates: AWS Certified Solution Architect Professional 2024, AWS Solutions Architect Associate 2023**

### E Cloud Technology, China Telecom

Guangzhou

Back-end Development Engineer

Jul.2020 – May.2022 (23 months)

- In charge of edge-cloud computing infrastructure development including establishing, managing and optimizing virtual machines. Complete work of cloud-edge consistency, resource optimization, and service refactoring. (**Using Golang, Kubernetes, Git**)
- In charge of billing support. Liberate cloud-edge dependence on billing information collection and realize abnormal billing ticket detection and repair, achieving 99% accuracy on a scale of 10 million daily billing data. (**Using Golang, MySQL, Prometheus**)
- Work as configuration administrator to manage Apollo configurations of more than 20 microservices in 5 different environments.

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