

LI ZHANG

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OBJECTIVE

Collaborative and coachable software engineer looking into transition into the Cloud Computing industry as a Cloud Engineer. I have hands-on experience in building cloud solutions and have achieved 3 Azure Certifications and 2 AWS certifications whilst working full-time.

SKILLS

- **Tech Stack:** Azure, AWS, Terraform (IAC), GitHub Action (CI/CD), Kubernetes, Linux, Docker.
- **Programming Language:** Python, Bash Scripting, C#, JavaScript, Typescript, Angular, SQL.

EXPERIENCE

Optum / UnitedHealth Group

01/2023 – Present

Associate Software Engineer (Azure, AWS, Terraform, Kubernetes)

- Migrated chat agent applet from on-premises Kubernetes instance to Azure Kubernetes Service.
- Participated in building UHC claim denial chatbot using AWS Lex and Lambda services
- Troubleshoot bot response delay issues using AWS CloudWatch and APM Elastic.

PROJECTS

Portfolio Website (AWS S3, CloudFront, Route53, CI/CD)

dailycloudproject.com

- Developed a responsive personal portfolio website using HTML5, CSS3 and JavaScript.
- Implemented a web hosting infrastructure using AWS S3, CloudFront and Route 53.
- Configured Amazon CloudFront with AWS Certificate Manager (ACM) and Cache Invalidation.
- Managed DNS record sets in Amazon Route 53 for efficient domain routing and availability.
- Designed and implemented a CI/CD pipeline to automate code deployment.
- Implemented OIDC-based authentication to securely integrate GitHub with AWS.

AWS-Powered Dynamic Website Deployment with Terraform (EC2, VPC, ALB)

- Implemented and managed the deployment of a dynamic website on AWS using Terraform.
- Hosted the website on EC2 Instances within Private Subnets for enhanced security.
- Configured a custom VPC with both public and private subnets across two Availability Zones.
- Established Security Groups to function as network firewalls.
- Utilized an Application Load Balancer (ALB) and a target group to distribute traffic securely.
- Implemented an Auto Scaling Group (ASG) to enable automated scaling, ensuring high availability and optimal resource utilization.
- Secured application communications using AWS Certificate Manager (ACM).

EDUCATION

South Dakota State University, Brookings, SD

01/2020 - 05/2022

M.S. in Computer Science

- **GPA:** 4.0/4.0