CHU STEPHEN FUH

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Professional Summary

Experienced DevOps Automation Engineer a strong background in designing and implementing automated solutions to enhance software delivery, testing, and deployment processes. Demonstrated success in building and optimizing CI/CD pipelines, automating infrastructure provisioning, and creating robust automated testing frameworks that improve efficiency and minimize errors. Collaborates with cross-functional teams to improve test coverage and ensure the release of high-quality software through automated regression, performance, and integration testing. Committed to driving innovation, increasing operational efficiency, and delivering reliable, high-performing applications in fast-paced environments.

Skills

- Automation testing
- Shell Scripting
- HTML, CSS, JavaScript
- Amazon Web Services, Azure
- Monitoring and Alerting
- Networking and Load Balancing
- Jenkins
- Docker

- GitHub
- Containerization and Orchestration
- Troubleshooting
- Virtualization
- Python Programming
- Kubernetes
- Infrastructure as Code(IaC)
- Strong problem-solving and analytical skills

Work History

AWS DevOps Engineer, 02/2021 to 10/2024
Hero Technologies LLC – YellowStone - Montana, Remote

- Designed and maintained CI/CD pipelines using Jenkins, Github, Docker, and Kubernetes reducing manual intervention by 40% and decreasing the time needed for each release cycle. Automated build, test, and deployment processes ensured faster, more reliable software delivery.
- Automated infrastructure provisioning using CloudFormation Terraform and Ansible, reducing environment setup time from days to hours, and ensuring consistency across development, testing, and production environments.
- Integrated monitoring and logging tools such as ELK Stack, Prometheus, and Grafana into the CI/CD pipeline, providing real-time insights into the health and performance of applications.

- Responsible for designing, implementing, and managing Kubernetes-based solutions to support our cloud-native applications and microservices architecture
- Managed the underlying infrastructure required to run Kubernetes clusters, including networking, storage, and compute resources. Tasks may include provisioning virtual machines, configuring network policies, and optimizing resource utilization
- Engineered and implemented auto-scaling solutions for two critical applications, resulting in a 50% improvement in system reliability during peak usage periods and a reduction of infrastructure costs by 25%
- Worked closely with development and operations teams to automate and streamline our deployment, scaling, and monitoring processes using Kubernetes and associated tools
- Automated infrastructure provisioning using CloudFormation Terraform and Ansible, reducing environment setup time from days to hours, and ensuring consistency across development, testing, and production environments.
- Designed and implemented robust disaster recovery solutions for three critical applications, reducing recovery time by 40% and ensuring business continuity in case of unforeseen incidents
- Maintained compliance with cybersecurity regulations and measures and tracked, assessed, integrated and reported on modernization and migration processes
- Acquired AWS Certified Solutions Architect - Associate, AWS Certified Developer and AWS Certified Cloud Practitioner certifications showcasing a commitment to continuous learning and staying abreast of the latest AWS technologies and best practices.

Cloud Support Engineer, 03/2018 to 07/2019
Reliable Electronics – Buea, Cameroon

- Responsible for launching Amazon EC2 Cloud instances using Amazon Web services (Linux) and configuring launched instances with respect to specific application and regions
- Debugged and resolved technical issues for clients, providing timely cloud support and achieving a customer satisfaction rating of 95%
- Partnered with infrastructure teams on evaluation and feasibility assessments of new systems and technologies
- Designed and implemented a cloud-based data storage system that increased efficiency by 20% and reduced costs by 15%, resulting in annual savings of $12,000
- Involved in the migration and implementation of multiple applications from on premise to the Cloud using AWS services like SMS, DBMS, CloudFormation, S3, Route53, EC2, RDS, Load Balancers etc
- Configuration of continuous integration (CI) and continuous delivery (CD) using CodePipeline and CodeDeploy for automation
- Worked with existing customers to understand needs and provide solutions service
- Managed system wide operating system and software deployments, as well as related software upgrade problems

- Monitored network hardware operations to evaluate proper configuration

Education

Bachelor of Science: Computer Science, Expected in 02/2025
University of The People

Bachelor of Science: Physics and Mathematics, 12/2022
University of Bamenda - Bamenda

Bachelor of Education: Physics Teacher Education, 07/2018
University of Bamenda - Bamenda

Certifications

- AWS Certified Cloud Practitioner
- AWS Certified Solution Architect-Associate
- AWS Certified Developer -Associate

Languages

English

Bilingual or Proficient (C2)

French

Advanced (C1)

Spanish

Intermediate (B1)