

# Franklyn Umeh

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## TECHNICAL SKILLS

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**Software Development:** Python, C/C++, Go, SQL, JavaScript, TypeScript, HTML, CSS

**Dev.Tools & Cloud:** Linux/Unix, AWS, Git, Bash, GCP, Docker, SQL, CI/CD, PowerShell, Kafka, Jenkins, Kubernetes, Azure, SonarQube, Groovy, Octopus, Helm, Jira, Bamboo, Artifactory, Code Deploy, Terraform, Agile

**Certifications:** AWS Certified Solutions Architect Associate

## SUMMARY

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DevOps Engineer with over 5 years of experience building scalable, reliable, and secure systems across public clouds and on-premises environments. Highly specialized in Kubernetes and Multi-Cloud environments (AWS, GCP, and Azure), with expertise in Networking, Compute, Storage, Messaging and Streaming using Kafka, Security and Observability, Cloud Cost Optimization, Infrastructure as Code (IaC) with Terraform, and CI/CD Pipelines. I have strong hands-on experience with scripting languages like Python, Groovy, JSON, YAML, and Shell scripting

## EXPERIENCE

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### Cloud Support Engineer

Feb. 2024 – Present

*Viasat*

*Houston, US*

- Collaborated with cross-functional teams to migrate and secure over 50 TB of mission-critical data into cloud storage solutions, ensuring 100% compliance with industry standards such as SOC 2 and GDPR
- Implemented automated monitoring and alerting solutions using tools like CloudWatch, Datadog, and Prometheus, reducing incident response times by 40% and enhancing uptime to 99.98%
- Reduced time to deploy new microservices by 50% by integrating automated testing and deployment with Jenkins, Git, SonarQube, AWS ECR, AWS ECS, and Docker
- Configured AWS VPCs with CIDR subnetting and peering, enhancing reliability for 500+ cloud instances
- Monitored 500+ cloud resources, proactively preventing service disruptions
- Developed and deployed Infrastructure-as-Code (IaC) scripts using Terraform and CloudFormation, streamlining provisioning processes and cutting environment setup times by 70%
- Provided technical support for 30+ users, resolving 95% of software and algorithm-related issues to enhance productivity
- Wrote Ansible playbooks from scratch in YAML. Installing, setting up and Troubleshooting Ansible, created and automated platform environment set

### DevOps & Software Engineer

Feb. 2023 – Jan. 2024

*Payday*

*Remote, US*

- Set up CI/CD pipelines for Microservices and integrated tools such as Jenkins, Maven, GitHub, SonarQube, Nexus, JaCoCo, Docker and Slack to deliver real-time feedback to development teams following code check-in
- Implemented multi-threading and socket programming, improving backend system performance by 15%
- Automated infrastructure provisioning and configuration management with Terraform and Ansible, enabling consistent deployment across 100+ servers in under 10 minutes
- Collaborated with cross-functional Agile teams to deliver iterative software solutions, leveraging CI/CD pipelines to ensure seamless integration, and adherence to the software development lifecycle
- Built scalable API services using Python, supporting 1,000+ daily requests and ensuring high availability across distributed systems with 99.99% uptime
- Integrated GitHub webhooks into Jenkins to automate the code check-out process
- Migrated over 800,000 MongoDB documents to MySQL, reducing query time by 10%
- Optimized existing Node.js backend systems, resulting in a 15% reduction in server response times, which directly improved the application's reliability and performance metrics

### Systems Operations Team Lead

Aug. 2019 – Dec. 2022

*U.S. Army*

*Fort Hood, TX*

- Managed network infrastructure upgrades for 200+ devices, reducing downtime by 35% and improving overall team efficiency
- Led a team of 6 personnel to resolve complex geolocation system issues, reducing system downtime by 30%

- Established repair services for the supply team, increasing average equipment availability from 13 days to over 22 days

## **DevOps Cloud Architect**

Mar. 2018 – June 2019

*Southern Arkansas University*

*Magnolia, Arkansas*

- Designed, developed, and maintained automated build, test, and deployment pipelines. Orchestrated containerized applications using Docker, optimizing resource utilization
- Deployed Docker containers to transform a monolithic app into microservices, streamlining developer workflows
- Set up the SonarLint plug-ins in developer's workstation for detecting defects early during development
- Completed migration of our Elk Stack to LaaS (Logging as a service) Cluster which consists of Elasticsearch, Prometheus, Grafana, Consul UI, and Alerta into AWS
- Deployed and managed 10+ Kubernetes clusters on Amazon EKS and Azure AKS, achieving 99.9% uptime and enhancing scalability for cloud-native applications
- Delivered software with Agile teams, automating Azure CI/CD pipelines to cut deployment time by 40% and release cycles to one week
- Implemented Release management workflow for QA, UAT and Prod environments

## **EDUCATION**

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### **University of Houston**

Houston, TX

*Bachelor of Science in Computer Science, Minor in Mathematics*

### **Southern Arkansas University**

Magnolia, AR

*Associate of Science in Mechanical Engineering*