

Yabsera Gebrekidan

Software Engineer | DevOps Specialist
ywgebrek@neiu.edu | Chicago, IL | linkedin.com/in/yabi

PROFESSIONAL SUMMARY

AWS-certified DevOps Engineer with 3+ years of hands-on experience in cloud infrastructure, DevOps pipeline automation, and distributed systems management. Skilled in Kubernetes, Terraform, AWS, and Apache Kafka, with a proven ability to streamline CI/CD processes and deploy scalable cloud-native applications. Strong scripting skills in Java and Groovy, and expertise in creating automation strategies to enhance software delivery life cycles and operational efficiency.

EDUCATION & CERTIFICATIONS

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| • Certified Kubernetes Administrator (CKA) | June 2024 |
| • AWS Certified Solutions Architect - Associate | August 2023 |
| • AWS Certified Cloud Practitioner | December 2022 |
| • Northeastern Illinois University, Chicago, IL <i>B.S. Computer Science</i> | August 2022 |

PROFESSIONAL WORK EXPERIENCE

Associate Software Engineer | Options Clearing Corporation - Chicago, IL February 2023 to Present

- Orchestrated K8s clusters by configuring, and deploying workloads in highly available, fault tolerant environments for seamless workload management and scalability.
- Maintained hybrid cloud environments ensuring environmental stability for testing teams while serving as liaison between Quality Assurance and DevOps teams.
- Developed simple, concise and scalable java code for OCC's proprietary SpringBoot applications.
- Automated both Continuous Integration and continuous delivery (CI/CD) pipelines accelerating application deployment time by over 60%.
- Identified, developed and automated test cases using Cucumber BDD improving OCC's software quality, and performance in new releases.
- Established the deployment team's GitHub organization to streamline environment provisioning and ensure consistency across development and production, reducing build/test cycle time by 60%.
- Implemented Active Directory groups for access control to GitHub and configured Forgerock groups for secure Jenkins service account management, ensuring proper permissions for developers and automated processes while maintaining security standards.

Key Technologies: Kubernetes, Jenkins, GitHub, Terraform, Java, AWS, Docker, Groovy, Automic UC4, Harness, Active Directory, Forgerock, Cucumber BDD

Technical Support Engineer | Locusview - Chicago, IL January 2022 to February 2023

- Led the support team by managing over 9000 technical support cases achieving a 96% resolution rate with target SLAs.
- Developed and maintained detailed technical documentation for both internal tools and client applications, reducing onboarding time and enabling more efficient troubleshooting for cross-functional teams.
- Collaborated with development teams to assess, design, and implement database modifications on Locusview servers, optimizing performance and ensuring system stability.
- Spearheaded the migration to HubSpot CRM, developing and executing workflow tests, which led to improved system integration, client data consistency, and more efficient support service delivery.
- Enhanced support processes by identifying bottlenecks in ticket resolution workflows and recommending improvements that reduced issue resolution time.

TECHNICAL SKILLS

- **DevOps Tools & IaC:** Kubernetes, Docker, Terraform, Gradle, Terraform, CloudFormation, Helm
- **Cloud Platforms:** AWS (S3, EC2, IAM, EKS, Route 53, CloudFront), Azure, GCP
- **Programming/Scripting:** Java, Groovy,, Bash, YAML, JSON
- **CI/CD & Versioning:** Jenkins, GitHub, Artifactory, Harness, Rancher, Automic UC4
- **Messaging Systems & Databases:** Kafka, Apigee, Kafka Watcher, MySQL, MongoDB, CouchBase
- **Networking:** TCP/IP, VPC, VPN, Firewalls & Security Groups, RESTful APIs
- **Operating Systems:** Windows, Red Hat Enterprise Linux, Ubuntu

SOFT SKILLS & LEADERSHIP

- **Client-Centric Mindset:** Strong focus on understanding customer needs and delivering solutions to enhance client satisfaction and success.
- **Collaboration & Problem-Solving:** Proven ability to troubleshoot complex technical issues. Experienced working across engineering, support, and client teams delegating technical workloads in Scrum ceremonies.