Providence Annor Asemah

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WORK EXPERIENCE

Betika   **Accra**

DevOps Engineer   *Dec 2023 - Present*

- Achieved a 50% reduction in deployment time by automating the deployment of Go and Next.js applications to GCP VMs.
- Optimized team productivity by 70% through the automation of deployments to GCP VMs and GKE.
- Led documentation efforts using Confluence, cutting troubleshooting time by 40%.
- Improved onboarding efficiency by 30% by designing comprehensive visual deployment steps using Lucid.
- Mitigated security risks by 95% through preventive vulnerability scanning with Trivy.
- Reduced configuration drift by 60% via server configuration and installation management with Ansible.
- Boosted deployment frequency by 80% by implementing CI/CD processes with GitHub Actions.
- Established streamlined CI/CD workflows leveraging GitHub Actions, which increased the speed of feature releases from biweekly to weekly, allowing the development team to respond faster to user feedback for over 500 active users.

Turntabl Ghana Limited   **Accra**

Software DevOps Engineer   *Jul 2021 - Sep 2024*

- Increased productivity by 90% by developing a scalable CI/CD infrastructure.
- Ensured business continuity and system resilience (up by 70%) by devising a disaster recovery plan for a self-hosted GitLab server.
- Provisioned a self-managed GitLab Server on AWS EC2 to serve as the company's version control system, ensuring secure access limited to the company's network and VPN. This setup maximized productivity by providing a dedicated environment for managing CI/CD pipelines and source code, reducing external access risks by 80%.
- Improved deployment times and development efficiency by 85% through the construction of a GitLab CI/CD pipeline and Docker containerization.
- Cut AWS costs by 30% by scripting an automated cleanup process for Docker images on the AWS ECR repository.
- Elevated deployment effectiveness and consistency by 60% through application deployments to AWS Kubernetes clusters using Helm charts.
- Streamlined version control and enhanced security, reducing deployment times by 30%, through migration from GitHub to team infrastructure.
- Supervised deployments of Java Spring Boot, React, Angular, and Kotlin applications, improving deployment efficiency and cutting rollout times by 65%.

Software Engineer (TLC Operator)   *Sep 2021 - Dec 2021*

- Facilitated training programs for fifty new junior software engineers, achieving a 95% satisfaction rate.
- Augmented productivity by 40% through the facilitation of networking activities during training.

Junior Software Engineer   *Apr 2021 - Jul 2021*

- Collaborated on developing an IntelliJ IDEA Plugin to track JVM details and monitor live production applications, improving monitoring accuracy by 40% and reducing application downtime.

Junior Software Administrator   *Jan 2021 - Mar 2021*

- Coordinated training programs for new developers, increasing training efficiency by 70% and accelerating onboarding.
- Amplified team productivity by 85% by providing effective network engineering solutions.

Junior Software Engineer   *Nov 2020 - Dec 2020*

- Led the development of the Turntabl-Exe Project, streamlining the recruitment onboarding process and boosting efficiency by 70%.

- Managed PostgreSQL database for data storage and recovery, increasing data retrieval speed by 85% and ensuring reliable backups.

EDUCATION

University of Cape Coast   **Cape Coast**

Bachelor of Science in Computer Science   *Graduation Date: Oct 2020*

SKILLS & INTERESTS

Skills: DevOps Tools: Kubernetes, Docker, Git, GitLab, GitHub, AWS, Prometheus, Grafana, ECR, Jenkins, Bitbucket, Helm. Programming Languages: Java, JavaScript, TypeScript, Python, Go. Frameworks and Libraries: Spring Boot, React, Angular, Next.js. Database Management: PostgreSQL, MySQL, MongoDB. Cloud Services: AWS, GCP. Version Control: Git, GitHub, GitLab, Bitbucket. CI/CD: Jenkins, GitHub Actions, GitLab CI/CD, Bitbucket Pipelines. Containerization and Orchestration: Docker, Kubernetes, Helm. Configuration Management: Ansible, Terraform. Monitoring and Logging: Prometheus, Grafana, ELK Stack. Vulnerability Scanning: Trivy.