

Daniel CHIATUIRO

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Profile Summary

Dynamic and results-driven Cloud DevOps Engineer with a proven track record in designing, implementing, and maintaining robust multi-cloud and Hybrid infrastructures. Expert in building and optimizing CI/CD pipelines, automating deployment, and scaling cloud-based applications. Adept at leveraging Infrastructure as Code (IaC) tools, container orchestration platforms, and configuration management solutions to enhance operational efficiency and reliability. Known for a strong problem-solving aptitude and a commitment to implementing best practices in automation, security and performance. Seeking to contribute technical expertise and innovative solutions in a forward-thinking DevOps/ Cloud Operations role.

Key Competencies & Skills

- **Cloud Platforms:** Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)
- **Infrastructure as Code:** Terraform, AWS CloudFormation, Azure Resource Manager (ARM)
- **Configuration Management:** Ansible, Chef, Puppet
- **Containerization:** Docker, Kubernetes, Amazon ECS, Google Kubernetes Engine (GKE), ACI
- **Continuous Integration/Continuous Deployment (CI/CD):** Jenkins, GitLab CI/CD, Circle-CI, GitHub Actions
- **Monitoring and Logging:** Prometheus & Grafana, ELK Stack, AWS CloudWatch, Azure Monitor and Advisor
- **Scripting Languages:** Python, Bash, PowerShell, .Net, PHP, Golang, Vanilla JS
- **Version Control Systems:** Git, GitHub, Bitbucket,
- **Networking:** TCP/IP, DNS, Load Balancing, VPN/VPC, etc.

Professional Experience

Cloud DevOps | Savaria Concord | May 2023 – June 2024 | Contract

In my last role at Savaria, I've successfully spearheaded the design, implementation and management of a robust and growing cloud infrastructure across AWS and Azure. Here's a closer look at some of my key contributions.

- **Cloud Infrastructure Management:** Designed, deployed and managed scalable cloud environments on AWS and Azure. Ensuring a highly availability and reliability cloud environment.
- **Infrastructure as Code (IaC):** Automated the provisioning and configuration of cloud resources using tools such as terraform, PowerShell, ARM Templates, and AWS Cloud Formation. This significantly reduced deployment times, minimized human error and enabled IaC best practices such as versioning etc.
- **CI/CD Pipeline Implementation:** Streamlined the software development lifecycle by implementing CI/CD pipelines using Jenkins, GitLab CI/CD, Azure DevOps, GitHub Actions, etc. As the project required.
- **Containerization and Orchestration:** Utilized Docker for containerizing applications and managed their deployment and scaling with Kubernetes on AWS(EKS), Azure (AKS), and GCP(GKE). This improved resource utilization and application resilience.
- **Monitoring and Maintenance:** Leveraged Prometheus, Grafana, AWS CloudWatch, and Azure Monitor to continuously monitor and maintain the health and performance of cloud infrastructure. This proactive approach minimized downtime and quickly addressed potential issues.
- **Log Management:** Implemented comprehensive log management solutions using the ELK Stack (Elasticsearch, Logstash, Kibana), which facilitated efficient troubleshooting and analytics.

Cloud Security Engineer | Access Bank | May 2022 – April 2023 | Contract

Developed and executed advanced security strategies for cloud environments on AWS, Azure, and GCP. Key Contributions include:

- **Cloud Security Management:** Designed and managed secure cloud environments ensuring compliance with industry standards.
- **Identity and Access Management (IAM):** Developed and enforced IAM policies, including role-based access controls (RBAC) and fine-grained permissions.
- **Infrastructure Security:** Implemented security measures using AWS Security Hub, Azure Security Center, and GCP Security Command Center.
- **Security Automation:** Automated security tasks with IaC tools like Terraform, AWS CloudFormation, and ARM Templates.
- **Vulnerability Management:** Conducted vulnerability assessments and penetration tests with Nessus, Qualys, and OpenVAS; remediated vulnerabilities.
- **Incident Response:** Led incident response efforts, using SIEM solutions such as Splunk and Azure Sentinel for threat detection.
- **Compliance and Governance:** Ensured adherence to standards like GDPR, HIPAA, and PCI-DSS; maintained security policies and procedures.
- **Security Awareness and Training:** Conducted training sessions and promoted best practices in cloud security.

Software Engineer | Sterling Software's | June 2020 - April 2023 | Full Time

- **Web and Mobile Application Development:** Designed and developed robust web and mobile applications integrated seamlessly with database servers. My work ensured efficient data handling and a smooth user experience across all platforms.
- **Server Provisioning and Configuration:** Provisioned Linux servers and configured web servers such as Apache and Nginx. This groundwork ensured the reliability and security of the hosted applications.
- **Cross-Platform Design:** Implemented cross-platform optimized design approaches, ensuring compatibility and a consistent user experience across various devices and operating systems.
- **API Design and Documentation:** Designed, developed, and meticulously documented APIs, facilitating seamless integration with other systems and services. This work supported the scalability and interoperability of the applications.
- **Security and Performance Audits:** Conducted thorough security and performance audits to identify and mitigate vulnerabilities. I also ensured that web applications adhered to good SEO practices, enhancing their visibility and accessibility.
- **Third-Party Application Support:** Provided comprehensive support and administration for third-party applications, ensuring they remained secure and up to date. This support minimized downtime and maintained business continuity.
- **Infrastructure Maintenance:** Upgraded, repaired, configured, and maintained the company's on-site infrastructure. My proactive approach ensured optimal performance and longevity of the hardware and software assets.

Education

Bachelor of Engineering (B.Eng.) in Computer Engineering | September 2021

Graduate Certificate (Grad. Cert) in Cloud Architecture & Administration | December 2024

Professional Certifications

- HashiCorp Terraform Associate (003)
- Linux Foundation Certified System Administrator (Udemy)
- Microsoft Azure Administrator (AZ104)