Kerrington Wells

Senior Cloud Automation Engineer

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Senior Cloud Platform Engineer with 10+ years' experience in designing, automating, and securing cloud infrastructures across AWS, Azure, GCP, and VMware Cloud. Expert in Infrastructure as Code (IaC) with Terraform, Kubernetes orchestration, and establishing security measures in Kubernetes and Pivotal Cloud Foundry (PCF). Proficient in Golang, Python, Bash, and JavaScript for automation and application development. Solid background in DevOps, CI/CD pipelines setup, and robust monitoring solutions like ELK Stack. Adept at leading agile teams, technical training, and aligning tech solutions with business objectives.

**COMPETENCIES**

**Tools/Technologies:** Multi-Cloud Architecture, Kubernetes & Container Orchestration, IaC & Automation, Cloud Security & Compliance, Linux/OS Level Security and Compliance, DevOps & CI/CD Pipelines, Scripting (Go, Python, JavaScript), HTML, SQL, Java, Git, Troubleshoot, Windows Server, MySQL, System Administration, Linux, Team Leadership & Training

**Soft Skills**: Effective Communication, Problem Solving, Attention to Detail, Collaboration, Organization, Technical Leadership, Process Improvement

**RELEVANT WORK EXPERIENCE**

**Altoros, Pleasanton, CA** 05/2018 – Present

# Altoros provides enterprise grade cloud services, including, Cloud training/Enablement, Kubernetes training, Cloud/Platform Automation consulting services and TAS for Vms training/Enablement.

# **Senior Cloud Automation Engineer**

* Designed, developed, and managed multi-cloud infrastructures across GCP, AWS, Azure, and VMware Cloud, leading migration and integration projects for optimal configuration and high availability.
* Extensively utilized Terraform for Infrastructure as Code (IaC), automating provisioning and management to meet diverse client needs.
* Built and managed Kubernetes clusters across multiple platforms ensuring scalability and security for containerized applications and delivered comprehensive training programs to clients.
* Conducted in-depth discovery sessions translating intricate requirements into actionable solutions and coordinated with stakeholders for alignment of tech solutions with business goals.
* Played a pivotal role in upskilling engineering teams through regular training sessions and workshops on cloud technologies, Kubernetes, and IaC.
* Developed custom automation scripts in Python, Bash, and Golang, streamlined processes and enhanced infrastructure reliability through automated pipelines covering the entire infrastructure lifecycle.
* Led diverse engineering teams in an agile environment promoting a culture of continuous learning and innovation while ensuring technical solutions aligned with business objectives.

**Insight Global Atlanta, GA** 11/2017 – 05/2018

# Insight Global provides staffing solutions and is engaged in recruiting and temporary staffing. They specialize in placing individuals in short-term, long-term, and permanent positions. The company aims to connect hiring managers with qualified talent and assist job seekers in finding suitable opportunities.

# **Senior Dev-Ops Engineer**

* Developed and managed automated pipelines utilizing GitLab, Jenkins, and Chef Cookbooks, enhancing the CI/CD process.
* Led the creation and management of Docker containers and VMs in AWS, ensuring smooth application deployments during and after hours.
* Automated manual Deployments and configuration updates via through scripting in Python, Bash and Terraform.
* Managed the Chef Automate server and developed/updated configurations within Chef Cookbooks to optimize configuration management processes.

**IHG Atlanta, GA** 06/2016 – 11/2017

# InterContinental Hotels Group (IHG) is a well-established multinational hospitality company based in the UK, known for operating a diverse range of hotels, lodges, and resorts globally.

# **Systems Engineer II (Contractor)**

* Spearheaded CIS Benchmark assessments and remediation to enforce security best practices, aligning system configurations with recognized industry standards​.
* Built Patch Framework using Ruby and Chef cookbooks to automate Monthly OS level Patching is IHG’s upper and lower environments.
* Created and Maintained Pulp repository servers using Docker containers.
* Developed automation tools (scripts and cookbooks) in Python and Ruby for Security Compliance and Vulnerability reporting.
* Gathered requirements from project stakeholders and created high-level design documentation.
* Worked closely with Operations, Project managers and other Project Stakeholders regularly Architect/Document to automate manual processes.
* Designed and implemented a versatile web server using CherryPy to streamline operations’ interactions with the infrastructure. The server acted as a centralized interface, allowing authorized personnel to query infrastructure data, manage VM deployments, initiate processes, and retrieve logs effortlessly. The server executed system calls via Python scripts internally, retrieving and displaying real-time information upon request, demonstrating a blend of coding, system management, and API expertise.

**Georgia Tech Research Institute Atlanta, GA** 11/2015 – 06/2016

# GTRI has carved a niche as a globally recognized applied research and development organization. Daily, its expertise in science and engineering is harnessed to tackle some of the most daunting problems confronting government and industry, not just within the United States, but on a global scale.

# **Linux Security Engineer II (Contractor Visionaire partners)**

* Administered and maintained Linux servers, ensuring optimal performance, security, and reliability.
* Configured and managed firewall settings using iptables to ensure system and host security.
* Implemented and enforced SELinux policies to provide mandatory access controls, enhancing system security.
* Developed and maintained user permissions and access control policies, ensuring adherence to organizational security standards.
* Developed and enforced security policies and procedures, educating staff on best practices and ensuring compliance with organizational and industry standards.
* Collaborated with cross-functional teams to troubleshoot and resolve security-related issues, ensuring a secure and resilient infrastructure.
* Optimized system configurations to enhance security without compromising performance, demonstrating a significant reduction in system downtime and improvement in system stability and performance.

**EDUCATION**

**Georgia Southern University,** Statesboro, GA 05/2012

# Bachelor of Science — Information Technology