HARPER RUSSO

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BUSINESS OPERATIONS MANAGER

A results-oriented and AWS-Certified Cloud/DevOps Engineer with 7+ years of progressive experience spanning both enterprise and startup environments. Specialized expertise in automating infrastructure deployments, managing large-scale containerized applications using Kubernetes, and optimizing CI/CD pipelines for peak efficiency and security. Deep commitment to Infrastructure as Code (IaC) principles utilizing Terraform and Ansible. Proven ability to reduce cloud expenditure by an average of $10,000 monthly through meticulous resource provisioning and utilization audits. Seeking a challenging role where technical leadership and systems reliability engineering (SRE) practices are prioritized.

STRENGTHS AND EXPERTISE

Cloud Platforms & Virtualization

- Expert: Amazon Web Services (AWS: EC2, S3, Lambda, VPC, RDS, IAM, CloudWatch).
- Familiar: Azure (Basic resource deployment), VMware ESXi.

DevOps Tooling & Automation

- CI/CD: Jenkins, GitLab CI, GitHub Actions.
- IaC: Terraform (Advanced HCL), Ansible, CloudFormation.
- Configuration Management: Puppet (Legacy systems), Shell Scripting (Bash/Python).

Containerization & Orchestration

- Kubernetes: YAML Manifests, Helm Charts, Cluster Management (EKS)
- Containers: Docker, Docker Compose.

Languages & Databases

- Programming: Python (Primary for automation), Go (Basic), JavaScript/Node.js.
- Databases: PostgreSQL, MongoDB, Redis (Caching Layer).

Monitoring & Security

- Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana).
- Cloud Security: Security Group configuration, IAM Role refinement, basic penetration testing awareness.

PROFESSIONAL EXPERIENCE

Ginyard International Co. **February 2019 - Present**

Cloud & Infrastructure Engineer

Accomplishments:

- Designed, implemented, and maintained 90% of the company's production and staging infrastructure entirely on AWS using Terraform, ensuring environment parity and rapid rollback capability.
- Led a project migration from an aging on-premise system to AWS EKS (Managed Kubernetes), achieving 99.99% uptime and reducing operational latency by 30%.
- Automated system patch management and security auditing using Ansible playbooks across 50+ Linux VMs, decreasing manual intervention time by 15 hours per week.
- Implemented and managed the entire monitoring stack (Prometheus/Grafana), creating custom dashboards and alerting rules that preemptively detected critical system failures.
- Served as the primary on-call engineer for mission-critical services on a rotational basis.

Legacy Systems Corp. **February 2016 - Jan 2019**
Junior Systems Administrator

Accomplishments:

- Managed day-to-day operations of the internal network, including firewall configuration (Cisco/Palo Alto) and routine user support/troubleshooting (Windows Server, Active Directory).
- Assisted senior engineers in migrating non-essential services to a private cloud (VMware), gaining initial exposure to virtualization and IaC concepts (early Puppet use).
- Maintained backup and disaster recovery procedures, successfully executing full-system recovery drills biannually.

EDUCATION

University of Washington, Seattle, WA

- Degree: Bachelor of Science (B.S.) in Computer Science
- Concentration: Network Systems and Security
- Graduation Date: June 2016

Certifications:

- AWS Certified Solutions Architect – Associate (2022)
- Certified Kubernetes Administrator (CKA) (2021)
- CompTIA Security+ (Legacy Certification: 2017)

Projects & Contributions:

- Personal Terraform Module Repository: Maintained a public GitHub repository of reusable Terraform modules for standard AWS resource provisioning, used by 10+ external collaborators.
- K8s Auto-Scaler Simulation: Developed a Python script to simulate heavy traffic load on a local Kubernetes cluster to test HPA (Horizontal Pod Autoscaler) and VPA (Vertical Pod Autoscaler) efficiency.
- Open Source Contributor: Minor contributions to two major open-source projects related to network logging and monitoring (Specifics available upon request).

References are available on request.