RICKY VAUGHN

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SUMMARY

Early-career Cloud / Infrastructure Engineer with hands-on experience supporting enterprise infrastructure environments, specializing in virtualization and storage platforms. Experienced in VMware vSphere and vCenter administration, datacenter operations, and storage support, complemented by cloud project experience deploying Azure infrastructure using Terraform and CI/CD pipelines including containerized workloads with Docker and cloud native deployment practices. AZ-104 and VCP-DCV certified.

CLOUD PROJECTS

Azure Cloud Resume Challenge — Full Cloud Deployment
- Designed and deployed a production style serverless full-stack application using Azure Functions, Azure Storage, and Azure Table/Cosmos DB.
- Provisioned all cloud resources using Terraform, implementing modules, state management, and parameterized variables.
- Built and configured a GitHub Actions CI/CD pipeline for continuous deployment of frontend and backend components.
- Developed a containerized FastAPI version of the visitor counter API using Docker as an alternative deployment model, reusing the same Azure Table Storage backend.
- Created architecture diagrams and comprehensive technical documentation outlining cloud design decisions and deployment workflows.

Terraform Azure Virtual Machine Environment
- Automated the deployment of an Azure virtual machine environment using terraform, including VNETs, subnets, NICs, NSGs, and storage resources using Terraform.
- Integrated GitHub Actions to trigger infrastructure provisioning on code changes, demonstrating Infrastructure as code and CI/CD automation.
- Documented infrastructure outputs, diagrams, and implementation steps in a professional portfolio repo.

Static Website on Azure Storage + CI/CD
- Deployed a personal website to Azure Storage Static Websites with global availability.
- Implemented continuous deployment using GitHub Actions with secure secrets management.
- Configured routing, hosting, file uploads, and environment branching to support automated updates.

EXPERIENCE

Associate Systems Engineer

Auburn University   February 2024 - Present, Auburn, AL
- Provision and administer VMware vSphere and vCenter environments, including regular administration of 500+ virtual machines and multi-host infrastructure.
- Build and deploy virtual machines for various business applications, ensuring proper resource allocation, networking configuration, and high availability.
- Perform datacenter operations including installation and configuration of physical servers, storage arrays, and networking equipment.
- Support enterprise storage systems by performing provisioning, monitoring, and issue resolution tasks.
- Collaborate with cross-functional teams to maintain reliable integration between compute, storage, and network infrastructure.

IT Specialist

Auburn University   September 2019 - December 2023, Auburn, AL
- Managed office technology, including device configurations, application management, and network/cloud connectivity.
- Diagnosed and resolved complex technical hardware and software issues independently.
- Maintained and configured PC environments – Rebuilding and deploying systems.
- Supported large-scale deployment and upgrade cycles for 1,000+ campus workstations and laptops.

Enterprise IT Intern

FanDuel   June 2023 - August 2023, Atlanta, GA
- Participated in a hackathon project to improve live betting engagement through a social feature concept.
- Assisted with standardizing of desktop configurations across the Atlanta office.
- Contributed to a project integrating external employees into the corporate email system.
- Collaborated with the networking team to support firewall, switch, and wireless access point upgrades and deployments.

EDUCATION

Bachelor of Science in Business Administration (BSBA) Information Systems Management.
Auburn University • Auburn, AL • 2023

CERTIFICATIONS

VMware Certified Professional – Data Center Virtualization (VCP-DCV)

Microsoft Azure Administrator (AZ-104)

SKILLS

Cloud/DevOps: Azure, Terraform, GitHub Actions, Ansible, Docker, Kubernetes, cloud architecture

Infrastructure: VMware, Dell Isilon NAS, Windows Server, Linux, storage systems
Networking: VNETs/Subnets, DNS, DHCP, routing, firewalls, load balancers, VPNs

Programming/Scripting: PowerShell, Bash, Python, SQL, HTML, CSS, Javascript