

# RICKY VAUGHN

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## SUMMARY

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Infrastructure/Cloud engineer with hands-on experience in Azure, Terraform, CI/CD pipelines, and virtualization. Strong foundation in VMware vSphere, Linux/Windows systems, networking, and infrastructure automation. Proven ability to build cloud projects end-to-end and support mission-critical enterprise environments. AZ-104 and VCPDCV certified.

## CLOUD PROJECTS

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### Azure Cloud Resume Challenge — Full Cloud Deployment

- Built and deployed a serverless full-stack application using Azure Functions, Azure Storage, and Azure Table/Cosmos DB.
- Provisioned all resources using Terraform IaC, implementing modules, state management, and parameterized variables.
- Configured GitHub Actions CI/CD pipeline for continuous deployment of frontend + backend.
- Built a containerized FastAPI version of the visitor counter API using Docker as an alternative deployment model, connecting to the same Azure Table Storage backend.
- Designed an end-to-end cloud architecture diagram and documented cloud implementation steps.

### Terraform Azure Virtual Machine Environment

- Created automated infrastructure deploying an Azure VM, VNET, subnets, NIC, NSG, and storage resources using Terraform.
- Integrated GitHub Actions to trigger provisioning on each push, demonstrating real cloud CI/CD automation.
- Captured all outputs, diagrams, and documentation in a professional portfolio repo.

### Static Website on Azure Storage + CI/CD

- Deployed a personal website to Azure Storage Static Websites with global availability.
- Added continuous deployment using GitHub Actions with secure secrets management.
- Configured routing, hosting, file uploads, and environment branching.

## EXPERIENCE

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### Associate Systems Engineer

Auburn University

February 2024 - Present, Auburn, AL

- Provisioned, managed, and optimized VMware vSphere and vCenter environments, including regular administration of 500+ virtual machines and multi-host infrastructure.
- Built and deployed VMs for various business applications, ensuring proper resource allocation, networking, and high availability configurations.
- Installed and configured physical servers, switches, and other networking equipment in datacenter environments, adhering to structured cabling and rack standards.
- Supported storage systems by performing basic provisioning, monitoring, and issue resolution tasks.
- Collaborated with cross-functional teams to ensure seamless 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

- Developed a hackathon solution to boost live betting engagement on FanDuel by integrating a social media feature.
- Implemented standardization of desktop configurations for the whole Atlanta office.
- Contributed to a key project aimed at integrating external employees into the FanDuel email system.
- Collaborated with the networking team to enhance security by successfully upgrading and deploying firewall, switches, and WAPs.

## EDUCATION

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### Bachelor of Science in Business Administration (BSBA) Information Systems Management.

Auburn University • Auburn, AL • 2023

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CERTIFICATIONS

VMware VCP-DCV

Azure AZ-104

SKILLS

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

Infrastructure: VMware vSphere/ESXi, Dell Isilon NAS, Windows Server, Linux

Networking: VNETs/Subnets, DNS, DHCP, routing, firewalls, load balancers, VPNs

Programming: PowerShell, Bash, Python, SQL, HTML/CSS/JS