Bradley D. Lawson

Professional Summary

Cloud Engineer with a strong belief in continuous improvement and learning. Skilled in leveraging cloud technologies, particularly within Azure, to implement scalable and secure solutions. Proven ability to enhance infrastructure security, optimize performance, and collaborate with cross-functional teams to deliver robust cloud environments, reducing non-compliance and vulnerability 83% on the resources directly worked on. Committed to continuously expanding knowledge of technologies and industry best practices to deliver intelligent solutions for organizational success..

Technical Skills
- Networking Fundamentals: IP addressing, subnetting, routing
- Web Development with JavaScript and NodeJs
- Basic Scripting Knowledge with Powershell, Bash, and Python.
- KQL - Azure Resourcec Graph
- Identifying and resolving common technical and networking issues
- Cybersecurity Principles and Awareness
- Azure IaaS, PaaS, and SaaS
- DevOps - Azure DevOps and Github Actions
- Github - Version Control
- Terraform - IaC
- Identity and Access Management
- Azure KeyVault
- Azure Policy
- Jira and Azure Boards
- …

Certifications
- AZ-400 Microsoft Certified: DevOps Engineer Expert
- AZ-104 Microsoft Certified: Azure Administrator Associate
- HashiCorp Certified: Terraform Associate
- AWS Certified Cloud Practitioner
- AZ-900 Microsoft Certified: Azure Fundamentals
- ISC2 - Certified in Cybersecurity (CC)

Professional Experience

Conoco Phillips   **December 2023 – Present**
Cloud Engineer
Created Automation Processes
- Created automation for repetitive and error prone addition of IP address to Azure Policy Repo.
- Created the function App using Powershell
- Utilized an internal Firewall API and the Github API
- Created the logic to update the Azure Policy Repo if there was a change to the Firewall API, merge it through a Dev branch and then create a Pull Request into the Release Branch, finishing with sending a message to the Cloud Engineering TEAMs channel for approvals to merge.

Mitigated Security Risks
- Created Azure Policy as Code with Terraform to reduce the attack surface on key Azure infrastructure such as denying public access, restricting network access to non-COP IP addresses, and enforcing minimum TLS versions.

- Researched and upgraded all Azure resources using Python Scripts and collaborated with multiple teams to ensure all were upgraded before the version was EOL.
- Remediated non-compliant and vulnerable resources decreasing non-compliance 100% for specific resources I headed.
- Collaborated with IT Security and Security Architecture to document exceptions to policy for business necessary resources.
- Identified VMs not successfully onboarding to Microsoft Defender for Endpoint and then worked with the resource owners to install.

Streamlined Communication
- Conducted research for existing Azure resources using technologies such as KQL, communicating with Microsoft, and online documentation to understand the current environment and implement strategies for upgrading or remediating.
- Documented processes and procedures such as what resources are non-compliant, how to remediate non-compliant resources, security exceptions including network diagrams, research findings, such as the Azure Python environment, who owns the resources, the best upgrade version and how to upgrade.
- Utilized Terraform to update code for tagging resources to coordinate a consistent tagging strategy

SkillStorm   **September 2023- Present**
Cloud Operations Specialist
Microservice Architecture Java with Kubernetes
Worked in a team of engineers to take an existing Java Web application and reconfigure it into a Microservice architecture utilizing containers orchestrated with Kubernetes. Our team was broken up into three separate groups and I was part of a group of three that focused on DevOps.
- Created YAML configuration files for the automation of the application
- Implemented as Code testing
- Worked with Identity and Governance group for Just in Time access for utilizing resources.
- Coordinated with Infrastructure group to ensure streamlined deployment of the application
- Created the pipeline for Continuous Delivery and Deployment
- Worked with the Infrastructure team to utilize Github Actions for the pipelines.

Wordpress on Azure
Worked with a group of engineers to create a Wordpress application and deploy it into Azure utilizing Terraform for the infrastructure.
- Created the script to deploy the Wordpress App when the infrastructure was deployed
- Deployed the Wordpress app into a Vnet and subnet created from Terraform
- Utilized an Azure Application Gateway

Pearland ISD, Pearland, TX   **June 2020 – July 2023**
History Teacher and Football and Basketball Coach
- Designed, planned, and executed educational projects
- Collaborated with colleagues to implement learning benchmarks
- Analyzed test data to plan instructional strategies for struggling students
- Identified individual student challenges and adapted teaching methods to address them
- Overhauled football and basketball team to a championship in one year

Dickinson ISD, Dickinson, TX   **February 2019 -June 2020**
History Teacher

- Collected and analyzed data to evaluate student performance and make data-driven instructional decisions
- Recognized by the Dean of Instruction for creating a website for students during the Covid lockdown
- Planned and provided instruction and training for a diverse classroom

Education

Luther Rice, Lithonia, GA   **December 2014**
Bachelor of Arts in Religion

<u>Relevant Training/Courses in Software Development</u>

University of Central Florida Coding Bootcamp Orlando, FL   **October 2017 – April 2018**
24 week Full Stack Web Development Bootcamp
- Front End
  - HTML
  - CSS
  - Bootstrap
  - JavaScript
  - ReactJS
- Back End
  - NodeJs
- Databases
  - MongoDB
  - SQL

Microsoft Learn Online   **August 2020 – Present**
Continuous Learning
- https://learn.microsoft.com/en-us/users/bradleylawson/achievements
- https://learn.microsoft.com/en-us/users/bradleylawson/credentials?tab=credentials-tab