

Rose McConnell

Aspiring Cloud Developer | Hiram, GA | (843) 696-9950 | [Email](#) | [LinkedIn](#) | [Website](#)

EDUCATION

Bachelor of Science in Computer Science
Clemson University, Clemson SC | Dean's List

Dec 2023

TECHNICAL SKILLS

Cloud & Infrastructure: Microsoft Azure infrastructure (Portal, CLI, Bicep/ARM Templates), Terraform, Kubernetes, Docker

CI/CD & DevOps: GitHub Actions, Azure DevOps, Agile methodology

Scripting & Programming: Python, PowerShell/Bash, JavaScript, C#, .NET, SQL, Git

Monitoring & Observability: Grafana, Azure Monitor

Systems & Networking: Linux, Windows, networking fundamentals

ACCOMPLISHMENTS

- Obtained the AZ-900 (Azure Fundamentals) certification in April 2025. Expected to receive the AZ-104 (Azure Administrator) in February 2026.
- Managed and resolved over 500 internal support tickets over 2 years, consistently providing timely technical solutions and documenting issues to enhance the team's knowledge base and improve response time.
- Helped manage and contributed to an AMS upgrade, CMS upgrade + migration, three mobile app deployments, and over 30 data reports.

PROJECTS

[FastAPI Journal](#) | *Python, Azure, FastAPI, Kubernetes, Docker, GitHub Actions, Terraform, Grafana, Prometheus*

- Deployed a journaling API on Azure using containerized FastAPI and PostgreSQL virtual machines.
- Provisioned infrastructure with Terraform, implemented CI/CD using GitHub Actions, and orchestrated deployment with Azure Kubernetes Service (AKS).
- Integrated Prometheus and Grafana for real-time monitoring.
- Integrated security best practices by configuring IAM roles with least privilege, encrypting data at rest, implementing network segmentation, and managing secrets securely with Azure Key Vault.
- Utilized Azure Sentinel as the SIEM for security event monitoring, alerting, and dashboarding.

[Cloud Resume Website Project](#) | *HTML/CSS, Azure, JavaScript, Python, CosmosDB, Azure Functions, GitHub Actions, ARM Templates*

- Developed and deployed a personal resume website using an Azure Storage static website, with a HTTPS-enabled custom domain via Azure Front Door.
- Implemented a JavaScript-based visitor counter backed by an Azure Function (Python) and CosmosDB Table API.
- Built and configured cloud resources and infrastructure with ARM templates.
- Set up CI/CD pipelines with GitHub Actions to automatically deploy both the front-end and backend upon updates.
- Wrote unit tests for the Python API code to ensure functionality and maintainability.

[Gender & Age Detector](#) | *Python, OpenCV, Deep Learning*

- Built and tested a real-time image processing app to detect faces and predict age/gender using a deep learning model and OpenCV.

[Face Mask Detection System](#) | *C, JavaScript, Python, Azure DevOps, GitHub*

- Led a 4-person team to build a real-time face mask detection and temperature logging system.

- Utilized Azure DevOps and GitHub for version control and automation, with data sent to a live website via a custom hardware/software interface.

RELEVANT EXPERIENCE

Web Developer

International City/County Management Association | Remote

Oct 2023 - Present

- Write over 50 complex SQL queries to generate reports across multiple MySQL and SSMS databases, ensuring data integrity for multiple teams.
- Automate recurring conference data imports for over 4,000 registrants using custom PowerShell scripts, streamlining workflows and reducing manual effort.
- Develop and maintain over 15 major C# components for the NetForum AMS while adhering to Azure DevOps best practices with pipeline automation.
- Build and maintain over 30 dynamic Power BI and Google Analytics dashboards to support real-time data insights and cross-departmental decisions.
- Collaborated with a non-technical team to design and develop three mobile apps for members to easily get information in real time for our major conferences.
- Led QA testing and contributed technical expertise during NetForum AMS and Drupal CMS upgrades, improving stability and reducing bugs during rollout.
- Provide training and documentation to over 50 staff members on various CMS platforms, BI dashboards, Azure DevOps practices, and AMS implementations.
- Monitor and improve site performance and uptime, resolving performance and uptime issues and applying proactive security patches.

R&D Firmware Tester Co-op

Itron | Seneca, SC

Aug 2022 - Aug 2023

- Created and ran over 20 test cases to validate embedded firmware for the meters.
- Collaborated with cross-functional teams to ensure seamless integration into the metering system.
- Refactored test code to improve modularity and maintainability, contributing to successful deployment of firmware updates.

Data Engineering Intern

CEVAC | Clemson, SC

May 2022 - Aug 2022

- Oversaw a team of 8 people to develop and contribute to a database with over 30 million records.
- Compiled and formatted xrefs in Python, created several SQL views, and created a plugin to monitor wastewater data.
- Engineered backend logic to calculate and store min/max environmental data across 30+ campus buildings.

IT Technical Support

Clemson University | Clemson, SC

Aug 2019 - May 2022

- Systematized ticket backlog priority to improve work efficiency for over 50 daily incoming tasks.
- Helped troubleshoot and maintain a network of over 1,000 campus machines.
- Assisted in developing and testing the Autopilot software for campus imaging.