

Marvin Wellington

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EDUCATION

The University of Texas at Arlington | Master of Science in Computer Science
The University of Texas at Arlington | Bachelor of Science in Computer Science
Tarrant County College | Associate of Arts

Dec 2027

CERTS

- AWS Cloud Practitioner
- Microsoft Certified: Azure Fundamentals
- CompTIA A+

SKILLS

- **Cloud & Infrastructure:** Microsoft Azure, AWS, Kubernetes/OpenShift, Docker, EKS
- **Programming:** Java, Python, SQL
- **Data & Messaging:** SQL/NoSQL, Data Structures
- **DevOps Tools:** Ansible, Git, GitLab, Terraform, Artifactory, Helm, CI/CD, Microservices
- **AI/ML Tools:** Jupyter Notebooks
- **General:** Growth mindset, Collaboration, Automation
Linux, Agile, Networking, IoT

EXPERIENCE

Software Engineer

IBM | Coppel, TX

Dec 2021 – Mar 2026

Key Responsibilities:

- **Automation & IaC:** Developed **Ansible playbooks** to automate infrastructure provisioning, configuration management, and application deployments, improving operational efficiency and reducing manual intervention.
- **CI/CD Implementation:** Designed and implemented CI/CD pipelines using OpenShift, enhancing application delivery and supporting automated application deployments.
- **API Development:** Developed REST APIs and tested endpoints using Postman.
- **Containerization:** Designed, containerized, and deployed applications using **Docker** and **Kubernetes**, following cloud-native and container orchestration best practices.
- **Kubernetes and Helm:** Developed custom Kubernetes operators using the Operator SDK (Helm-based), leveraging Custom Resource Definitions (CRDs) and reconciliation logic to automate application deployment, configuration management, and lifecycle operations across containerized environments.
- **Containerization & Orchestration:** Successfully deployed GitLab in private networks using Docker containers to support secure, internal development workflows.
- **Application Development:** Built Android applications leveraging the Flutter framework, delivering user-friendly and robust mobile solutions.

Software Engineer Intern (Department of Defense)

Amazon | Arlington, VA

Summer 2021

AWS Cloud Practitioner Certificate

Key Responsibilities:

- **Infrastructure Design:** Developed Infrastructure-as-Code (IaC) templates using AWS CloudFormation to automate cloud resource provisioning.
- **Cloud Security:** Implemented IAM roles, policies, and VPC configurations to ensure secure cloud environments across multiple availability zones.
- **Automation:** Automated workflows using AWS Lambda, integrating with Neptune databases for advanced analytics and predictions.
- **Data Insights:** Insert data into Neptune database (property graph) and train data to make predictions.

Drone Inspection – Matrice 210

Self-Directed Project | Linux Platform

Key Responsibilities:

- **Visual Analytics:** Designed and deployed a solution for drone-captured images to automate inspections.
- **Linux:** Built a Linux-based environment on the drone's **manifold** (embedded computer) to support real-time image processing and analytics.
- **Containerization:** Containerized a **ML inference engine** using **Docker** to optimize image processing.
- **Automation:** Automated the capture, processing, and reporting pipeline with IBM Node-Red (IoT tool).