Humza Ahmad

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Clearance: TS/SCI with CI-Poly

EDUCATION

Hood College — Frederick, MD
Master of Science in Cybersecurity — *Aug. 2023 – May 2025*

Hood College — Frederick, MD
Bachelor of Science in Computer Science — *Jan. 2019 – May 2023*

CERTIFICATIONS

HashiCorp Certified: Terraform Associate | *HashiCorp* — Feb 2024

CompTIA Security+ ce | *CompTIA* — Dec 2023

AWS Certified Cloud Practitioner | *Amazon Web Services (AWS)* — Jul 2022

TECHNICAL SKILLS

Containerization: Docker, Kubernetes
CI/CD: Jenkins, Github Actions
Infrastructure as Code: Terraform, Ansible
Cloud Computing: (AWS - EC2, S3, RDS, ELB, EKS, Auto Scaling, IAM, VPC, Route53, Lambda, Cloudwatch)
Development: Java, Python, SQL, MongoDB JavaScript, HTML/CSS

EXPERIENCE

Software Engineer — May 2023 – Present
Fast Enterprises — *Atlanta, GA*

- Expertise in end-to-end development using C# for both server-side and client-side programming. Proficient in coding, debugging, and maintaining complex tax software solutions for the Department of Revenue
- Implemented comprehensive CI/CD and TDD methodologies to enhance the overall efficiency of the development process and ensure high-quality code delivery across the entire stack.
- Utilized SQL for robust data management and analysis, handling classified tax information. Proficient in designing and maintaining databases to support data-informed decision-making for government agencies.

PROJECTS

Cloud Resume | *Terraform, AWS, GitHub Actions, Python, JavaScript*

- Orchestrated a serverless, dynamic resume website on AWS, leveraging Terraform for infrastructure as code and GitHub Actions for CI/CD, achieving automated deployment and updates.
- Engineered a serverless backend with AWS Lambda and DynamoDB, integrated real-time monitoring via CloudWatch and notifications through SNS, PagerDuty, and Slack, highlighting security and reliability.
- Implemented HTTPS encryption with CloudFront and automated CORS solutions for API integration, showcasing problem-solving and a security-first approach.
- Employed Cypress for end-to-end testing in a dedicated test environment, ensuring functionality and quality, and demonstrating a commitment to best practices in software development.

Jenkins and ArgoCD Pipeline | *Jenkins, Docker, ArgoCD, Kubernetes, AWS*

- Developed a comprehensive CI/CD pipeline using Jenkins, integrating with tools like Maven for building Java applications and SonarQube for code quality checks.
- Implemented webhook-based triggers in Jenkins for efficient and responsive pipeline execution upon code commits or pull requests.
- Automated container image creation using Docker and managed deployments to container registries such as Docker Hub and ECR.
- Utilized Argo CD for continuous delivery, employing GitOps practices to ensure consistent and auditable deployments to Kubernetes clusters.

Github Actions Self Hosted Runners | *Python, Github Actions, AWS*
- Implemented a CI/CD pipeline using GitHub Actions, integrating a self-hosted runner configured on an AWS EC2 instance for enhanced control and security.
- Developed and tested a Python-based application, utilizing GitHub Actions for automated build and test processes upon each code commit.