

Muhammad Arham – Cloud Engineer

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📍 Chicago, Illinois

Outline

Accomplished Computer Science graduate with proven expertise in cloud infrastructure automation and DevOps practices. AWS-certified professional with hands-on experience in Kubernetes, Terraform, and CI/CD pipeline development. Demonstrated leadership in technical teams and innovation through hackathon victories. Seeking to leverage strong technical foundation and 99.9% uptime track record to drive infrastructure excellence in a dynamic cloud engineering role.

KEY SKILLS

Infrastructure-as-Code (IaC) | DevOps Automation | Cloud Architecture Design | CI/CD Pipeline Development | Container Orchestration | Site-Reliability-Engineering | Infrastructure Monitoring | Cloud Security Implementation | Performance Optimization | System Administration | Technical Leadership | Release Management | Configuration Management | Disaster Recovery | Scalability Planning | Project Planning | Networking | Communication | Excel

TOOLS & TECHNOLOGIES

Language: Python, Shell/Bash, C++ | **Cloud Platform:** AWS, GCP, Azure | **DBMS:** PostgreSQL, MongoDB, DynamoDB, RDBMS, NoSQL

Containerization & Orchestration: Docker, Kubernetes, Helm | **Infrastructure as Code:** Terraform, Ansible

CI/CD Tools: Argo CD, Jenkins, GitLab, Maven | **Version Control:** Git, Github | **Architecture Patterns:** Microservices, Event-Driven, Batch Processing, Monolithic | **Operating Systems:** Linux, Windows, macOS

PROFESSIONAL EXPERIENCE

Cloud Lab Intern | St. Cloud State University

Saint Cloud, MN | 01/2025 – 05/2025

- Designed and deployed secure server infrastructure enabling 30+ students remote access to computational resources with 99.9% uptime, reducing on-campus lab dependency by 80%.
- Contributed to open-source projects by addressing issues and submitting solutions on GitHub, enhancing technical collaboration and learning.

Lead Help Desk Assistant | St. Cloud State University

Saint Cloud, MN | 05 / 2021 – 06 / 2023

- Provided expert technical support and resolved complex IT issues, ensuring efficient operation of help desk services.
- Led and supervised a team of help desk staff, fostering collaboration and maintaining high service standards.

KEY PROJECTS EXECUTED

Multi-Environment IaC with Terraform & Ansible

07/2025

- Architected automated infrastructure deployment across development, staging and production environments, reducing deploying time by 80% and ensuring 100% configuration consistency across environments with zero manual interventions.
- Implemented IaC pipeline with dynamic inventory management and automated state handling, achieving 100% configuration consistency and zero downtime.

DevSecOps with EKS & ArgoCD

09/2025

- Deployed end-to-end Spring Boot banking application on AWS EKS using Jenkins CI/CD pipeline with SonarQube code quality analysis, OWASP security scanning, and Docker containerization.
- Implemented GitOps deployment strategy using ArgoCD with Helm monitoring stack (Prometheus/Grafana), achieving automated application delivery and comprehensive cluster observability

EDUCATION

Masters - Computer Science | Purdue University

05/2025 - 12 / 2027

Bachelors - Computer Science | St. Cloud State University

3.73 CGPA - 01/2021 - 05/2025

- Earned Academic and Cultural Sharing Scholarship, College of Science and Engineering Scholarship.
- 4 Dean's List Certificate Recipient
- OSI Hackathon 1st Place and IDS Hackathon 2nd Place Winner.