

Muhammad Arham – Cloud Engineer

📞: +1 (320)-223-0245 | 📧: [Email](#) | [LinkedIn](#) | [Github](#) |

📍 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

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| Cloud Lab Intern St. Cloud State University | Saint Cloud, MN 01/2025 – 05/2025 |
| <ul style="list-style-type: none">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 |
| <ul style="list-style-type: none">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

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| Multi-Environment IaC with Terraform & Ansible | 07/2025 |
| <ul style="list-style-type: none">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 |
| <ul style="list-style-type: none">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

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| Masters - Computer Science Purdue University | 05/2025 - 12/ 2027 |
| Bachelors - Computer Science St. Cloud State University | 3.73 CGPA - 01/2021 - 05/2025 |
| <ul style="list-style-type: none">Earned Academic and Cultural Sharing Scholarship, College of Science and Engineering Scholarship.4 Dean’s List Certificate RecipientOSI Hackathon 1st Place and IDS Hackathon 2nd Place Winner. | |