

ZAIN BAHALIM

US Citizen, Houston, TX

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Education

Lone Star College

Associate of Science in Computer Science

Aug. 2025 – May 2027

Tomball, TX

Experience

Nagarro

Cloud Network Engineer (Contract)

Jun. 2026 – Present

New York, NY

- Supported network security operations and maintained **99.9% uptime** for **200+ users** by diagnosing complex VPN access, firewall, and TCP/IP connectivity issues
- Decreased security incident and IT resolution time by **20%** by implementing automated troubleshooting scripts and standardizing IAM access provisioning workflows
- Reduced recurring IT ticket volume by **15%** by architecting a knowledge base documenting root cause analyses, infrastructure hardening, and secure de-provisioning procedures

Hermes Cloud Technology Partners

AI Engineering Intern

Jan. 2026 – Apr. 2026

Tomball, TX

- Accelerated vulnerability identification and system bug tracking by **30%** across **3 enterprise environments** by engineering automated health checks and telemetry monitors
- Reduced deployment errors by **40%** for **5 cross-functional teams** by developing infrastructure automation and continuous integration scripts utilizing Python and PowerShell
- Saved **6 hours per week** in security monitoring for **12+ stakeholders** by programming an interactive dashboard to monitor system performance and logging events

GoExpedi

Cloud/DevOps Intern

Aug. 2025 – Nov. 2025

Houston, TX

- Enhanced cloud infrastructure security across **3 Azure environments** by configuring strict Role-Based Access Control (RBAC) policies and auditing user authentication logs
- Reduced security incident response time by **25%** by actively monitoring a SIEM environment and writing advanced KQL queries to triage **15+ critical alerts**
- Accelerated secure server deployment time by **35%** by architecting cloud infrastructure pipelines utilizing Python and adhering to least privilege principles

Projects

Automated Security Event & Log Analyzer | Python, Bash, OpenAI API, KQL

Jun. 2026

- Achieved a **40% reduction** in manual log review time by developing a Python/Bash tool that automatically ingests and categorizes operating system and network security events
- Automated incident triage by integrating the **Azure OpenAI REST API** to evaluate complex error codes and alert administrators of infrastructure anomalies in real-time

Enterprise IAM & Cloud Storage System | Python, Cloud Identity, RBAC

Dec. 2025

- Secured sensitive internal documents across **3 user permission tiers** by deploying a scalable cloud storage architecture governed by strict IAM access controls
- Ensured **100% security compliance** by implementing AES-256 encryption workflows, MFA concepts, and monitoring file access logs within an administrative panel

Cloud SIEM & Network Security Lab | Virtual Machines, Log Analytics, KQL

Mar. 2026

- Improved infrastructure visibility across **10 Linux and Windows servers** by deploying a centralized SIEM dashboard to capture and analyze network traffic anomalies
- Validated system defense-in-depth protocols by simulating **15+ network attack scenarios** and documenting detailed incident response procedures

Technical Skills

Languages & Scripting: Python, Java, C, C++, HTML/CSS, JavaScript, SQL, PowerShell, Bash, KQL

Frameworks & Libraries: Flask, REST APIs, Azure SDK, OpenAI API, Chart.js

Developer Tools & OS: Microsoft Azure, Azure Portal, Google Cloud Platform (GCP), VS Code, Linux (Pop!_OS), Windows Server

Security & Networking: Active Directory, SSO, MFA, Vulnerability Management, Incident Response, TCP/IP, DNS, VPNs, Firewalls, Network Segmentation, VPCs

Concepts: CI/CD, DevOps, SIEM (Log Analytics), RBAC, AES-256 Encryption, Agile, Cloud Infrastructure, Infrastructure as Code, Least Privilege, IT Support

Spoken Languages: Urdu (Fluent), Spanish (Conversational), Hindi (Fluent)

Certifications

Completed: Microsoft AZ-900 (Azure Fundamentals)

In Progress: CompTIA Security+, Cisco CCNA, Microsoft AZ-104 (Azure Administrator)