

ASHAR S. AHMED

Site Reliability / Platform Engineer | U.S. & Canadian Citizen
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Profile

Reliability-focused engineer who builds the observability, automation, and incident-response foundations that keep cloud services running. Delivered policy-as-code AWS infrastructure for the Government of Canada and operate a self-healing, SLO-instrumented platform with Prometheus, Grafana, Loki, and Alertmanager. Comfortable in compliance-restricted environments (PHIPA, government). U.S. citizen, CISSP-certified.

Technical Skills

Reliability / Observability: SLIs, SLOs & error budgets, incident response & postmortems, on-call alerting, runbooks, self-healing automation, restore-tested DR; Prometheus, Grafana, Loki, Alertmanager, ELK/OpenSearch

Cloud / IaC: AWS (IAM, S3, DynamoDB, CloudWatch, CloudTrail), Azure, Terraform, Terragrunt, Checkov, Docker, Kubernetes

CI/CD & Delivery: GitHub Actions, automated testing & quality gates, canary/staged rollouts, policy-as-code scanning

Languages / Automation: Python, Bash, PowerShell, JavaScript/TypeScript, C#/.NET, Node.js, SQL

Compliance / AI: NIST CSF, ISO 27001, PHIPA/HIPAA-aligned controls, audit evidence; AI-first workflows with LLM-powered tooling

Professional Experience

Reliability & Security Consultant

Jan. 2023 – Present

Dr. Shariq Mumtaz Medicine Professional Corporation

- Operate a 30+ service platform on Docker/Kubernetes with full observability: **Prometheus, Grafana, Loki, and Alertmanager**, SLO dashboards, error-budget tracking, and multi-channel alerting
- Built **multi-layer self-healing** (autoheal plus alert-driven remediation) and incident runbooks, **cutting mean-time-to-detect from days to under an hour**
- Implemented and **restore-tested 3-2-1 backups** for disaster recovery; authored PHIPA-aligned policies, a breach-response plan, and audit evidence
- Standardized endpoints on **MFA, full-disk encryption, EDR, and enforced patching to 100% policy compliance**; automation cut unsolicited traffic by **80%**

Software Developer, Government of Canada (ISED & Canadian Digital Service)

Feb. 2021 – Jan. 2022

- Engineered secure AWS infrastructure (IAM, S3, DynamoDB, CloudWatch) via **Terraform/Terragrunt**; enforced **policy-as-code** scanning (Checkov) in a compliance-restricted government environment
- Implemented **CI/CD quality gates** and automated testing, raising code coverage from ~20% to **85%** and cutting client-reported data incidents from 4-5 to 1-2 per cycle; received the **Directors' General Award of Merit**
- Designed passive request validation that eliminated bot-driven abuse on public endpoints, improving reliability and detection coverage; rolled out platform-wide

Technical Contractor (AI Model Evaluation)

May 2026 – Present

Mercor Intelligence, San Francisco, CA (Remote)

- Provide structured technical feedback supporting LLM training/evaluation; assess outputs for accuracy, reasoning quality, and specification adherence across technical domains

Projects & Publications

Ravelin: Vulnerability SLA & Compliance Tracker | C#, .NET 10, Blazor, Azure, Terraform

getravelin.xyz

- Built a vendor-neutral platform ingesting findings from Dependabot, Snyk, and Trivy; assigns severity-based remediation SLAs and tracks breaches with audit trails and compliance reporting

Self-Healing Homelab SRE Platform | Docker, Kubernetes, Prometheus, Grafana, Loki, Alertmanager

- Designed end-to-end reliability tooling: SLO dashboards and alert rules, container healthchecks, layered self-healing/remediation, and a tested restore pipeline for disaster recovery across the stack

Education & Certifications

M.S., Cybersecurity & Information Assurance | *Western Governors University*

Awarded 2024

B.Sc., Computer Science | *Dalhousie University*

Awarded 2024

CISSP (2026) | SSCP (2023) | AWS Certified Solutions Architect & Developer – Associate (2022)