

JOSHUA BREWER

Anahuac, TX 77514 | 903-246-1634 | joshuabrewer.d@gmail.com | linkedin.com/in/joshuabrewer3 | github.com/jbrewer3

PROFESSIONAL SUMMARY

Platform Engineer with 7+ years of experience building and running production cloud infrastructure on AWS. Strong background managing EKS cluster lifecycles, establishing modular Terraform practices, and driving AWS cost efficiency across multi-tenant environments. Experienced with high-availability systems, infrastructure-level on-call rotations, and continuous telemetry using Grafana, Prometheus, Loki, and Splunk. Skilled in Golang, Python, and automated compliance in security-sensitive environments.

CORE SKILLS

Cloud & Platforms: AWS (EKS, VPC, EC2, IAM, S3), Kubernetes, Docker, Helm, FluxCD, Ingress Controllers

Infrastructure as Code: Terraform, HCL, GitLab CI, GitHub Actions, Reusable Infrastructure Modules

FinOps & Cost Optimization: AWS Compute Rightsizing, Spot Instance Strategy, Graviton Migrations, Karpenter Autoscaling

Languages & Scripting: Golang, Python, Bash, PowerShell, JSON, YAML

Observability & Incident Response: Grafana, Prometheus, Loki, Vector, Splunk, Elastic Stack, CloudWatch, Infrastructure On-Call

Security & Compliance: NIST SP 800-53, CIS Benchmarks, Keycloak, SAML/OIDC, NeuVector, IAM

PROFESSIONAL EXPERIENCE

Platform Engineer | Defense Unicorns

May 2023 – Present

- Managed full lifecycle operations for production AWS EKS clusters, executing zero-downtime control-plane upgrades, ingress configuration, and automated node scaling using Karpenter and Cluster Autoscaler.
- Built and maintained reusable, modular Terraform codebases, establishing infrastructure standards and automated CI/CD deployment pipelines across teams.
- Drove AWS footprint cost efficiency through proactive resource rightsizing, Spot node strategy implementation, and Graviton instance migrations.
- Maintained 99.99% runtime availability across multi-AZ environments; served on primary infrastructure on-call rotation for platform-layer incidents.
- Deployed and maintained monitoring stacks using Grafana, Prometheus, Loki, and Splunk for real-time system telemetry, alert triage, and postmortem analysis.
- Developed custom CLI tooling and operational automation in Golang and Python to simplify developer workflows and cluster administration.
- Hardened Kubernetes infrastructure to comply with NIST SP 800-53 and CIS standards, integrating continuous container scanning via NeuVector and IAM controls.

Cloud Support Engineer – Containers | Amazon Web Services (AWS)

Jan 2022 – May 2023

- Diagnosed and resolved complex, production-critical EKS and ECS issues for enterprise customers, focusing on VPC CNI networking, ingress routing, and runtime container performance.
- Advised client engineering teams on Kubernetes control-plane scaling limits, cluster upgrade paths, multi-AZ resilience, and disaster recovery strategies.
- Resolved 182+ high-severity enterprise container cases (exceeding performance metrics by 115%) and authored technical runbooks and troubleshooting guides.

Cyber Systems Operator (DevOps/SRE Focus) | Texas Air National Guard

Dec 2018 – Present

- Automated Active Directory management and security tasks using PowerShell and Bash scripts, cutting manual operational work by 90%.
- Operated VMware ESXi virtualized environments and Virtual Desktop Infrastructure (VDI) supporting 800+ users, maintaining uptime and patch schedules.
- Executed vulnerability scans using Nessus, system audits, and rapid incident response in accordance with federal security standards.

EDUCATION

Master of Science, Management Information Systems – Texas A&M University, Mays Business School

2026 – Present

Master of Science, Cloud Computing Architecture – University of Maryland Global Campus

2021

Bachelor of Science, Criminal Justice – East Texas A&M University

2018

Graduate Certificate, Penetration Testing and Ethical Hacking – SANS Technology Institute

2024

CERTIFICATIONS

- GIAC Certifications:** GIAC Penetration Tester (GPEN) | GIAC Cloud Penetration Testing (GCPN) | GIAC Certified Incident Handler (GCIH) | GIAC Security Essentials (GSEC)
- CompTIA & Vendor Certifications:** CompTIA Security+ | CompTIA Linux+ | VMware Certified Professional – Data Center Virtualization (VCP-DCV)