

Erfan Aljanabi

USA Citizen

Austin, Texas

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EDUCATION

- **The University of Texas at Austin – Austin, TX** 2019-2020
Certificate Program in Cybersecurity Professional

- **University of Technology – Baghdad, Iraq** 1998-2002
BSc. in Control and Systems Engineering – 4 Years, Graduated.

CERTIFICATIONS

- **CKAD** - Certified Kubernetes Application Developer – *Linux Foundation 2026 - Credential ID: LF-0sorfx0qn6*
- **CKA** - Certified Kubernetes Administrator – *Linux Foundation 2026 - Credential ID: LF-59j61d8y14*
- **Security+** - CompTIA 2020 - *Credential ID: COMP001021743027*
- **CCNA** – Cisco Certified Network Associate - *Cisco Inc. 2021 - Certification ID: CSC013726122*

WORK EXPERIENCE

Dell USA Remote
Technical Lead (contract): Oct 2025 – Present

- Supported internal Kubernetes infrastructure on Google Cloud Platform (GKE), including cluster installation, maintenance, upgrades, and migration of nodes and applications from on-prem to GKE.
- Built and managed monitoring and observability systems for Kubernetes clusters and VMs using the Prometheus stack. Responsibilities included installation, configuration, upgrades, rule creation, alerting strategies, and seamless integration.
- Implemented and managed GitOps workflows for Kubernetes-based applications using ArgoCD, Helm, and source control tools like GitHub and Bitbucket.
- Onboarded and maintained many CNCF projects such as cert-manager, External Secrets, Traefik, Istio (service mesh), chaos-mesh, Kiali, etc. to deliver reliable infrastructure and observability solutions.

AMD USA Remote
Senior Test Automation Engineer (contract): May 2023 – Oct 2025

- Developed and executed test plans to validate software functionality against business and technical requirements.
- Performed functional, regression, performance, and security testing while identifying, tracking, and resolving defects with development teams.
- Collaborated in Agile development and CI/CD environments to support software quality and release readiness.
- Validated applications deployed in Linux and Kubernetes environments using Helm, while supporting deployment verification and configuration validation.
- Utilized Prometheus for basic application and infrastructure monitoring during testing and contributed to test automation and continuous quality improvement.

IBM Austin, Texas
AIX Linux System Engineer (contract): Apr 2021 – May 2023

- Supported automated infrastructure provisioning for development teams across on-premises and AWS environments using Kubernetes, EKS, Helm, and the Prometheus monitoring stack.
- Maintained Linux-based systems and provided infrastructure support to ensure reliable development environments.
- Served as the Linux Subject Matter Expert (SME), mentoring new team members and supporting technical knowledge sharing.

Google

Data Analyst (contract):

Austin, Texas
Aug 2018 – Apr 2021

- Analyzed and reviewed high-volume content using internal tools, performing data validation and policy compliance verification to maintain platform quality.
- Investigated complex issues through root cause analysis, documented findings, and collaborated with cross-functional engineering and operations teams to resolve escalations.
- Improved operational efficiency by leveraging technical workflows, data analysis, and process optimization while maintaining high accuracy and quality standards.

TECHNICAL SKILLS

- Cloud Platforms: Google Cloud Platform (GCP), Amazon Web Services (AWS)
- Containerization & Orchestration: Kubernetes (GKE, EKS), Docker, Helm
- GitOps & Infrastructure as Code: Argo CD, GitOps, Terraform
- Networking & Service Mesh: Istio Service Mesh, Traefik, Kubernetes Networking, Ingress, DNS, TLS/mTLS
- Observability & Reliability: Prometheus, Grafana, Alertmanager, Kiali, Chaos Engineering, Chaos Mesh
- Security & Policy Management: Kyverno (Kubernetes Cluster Policies), Kubernetes RBAC, cert-manager, External Secrets Operator, Cybersecurity
- CI/CD & Version Control: Git, GitHub, GitLab, Bitbucket, CI/CD Pipelines
- Operating Systems: Linux (RHEL, Ubuntu, CentOS, Debian), AIX
- Programming & Automation: Python, Bash/Shell

"References will be submitted upon request"