Jared Linares

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Summary

Cloud Infrastructure Engineer with 4+ years of experience in system architecture, automated deployment, and cloud security. Proven expertise in leading platform deployments and integrations for commercial and public-sector clients. Passionate about translating complex technical requirements into scalable, secure and cost-effective solutions.

Technical Skills

Cloud & DevOps: AWS, OCI, Docker, **Kubernetes**, **Terraform**, **OpenTofu**, Infrastructure as Code (IaC), CI/CD, Ansible, **AWS EKS**, AWS RDS, **AWS MSK**, AWS EC2, MongoDB Atlas, Confluent Cloud, AWS S3
Networking: Cisco Administration, Juniper Networks, Network Security, Palo Alto Firewalls, **VPC Design**, **TCP/IP**, BGP, OSPF, AWS Route 53, HTTP, DNS, LAN/WAN, VPC Flow Logs
Languages & Databases: Python, SQL, Bash, Javascript, Nix, InfluxDB, MongoDB, MySQL
Admin & Tools: Linux/UNIX Administration, Grafana, Datadog, Git, PySpark, Wireshark, VPC flow logs

Experience

Cloud Infrastructure Engineer February 2025 – Present
AeroDefense *Remote*

- Orchestrated critical infrastructure modernization: upgraded production EKS clusters with **Terraform** automation, deployed UAT environment for customer validation, and improved **CI/CD** pipelines reducing deployment failures and eliminating config drift.
- Demonstrated infrastructure resilience by completing **MongoDB** regional migration (us-east-1→us-east-2) weeks before major AWS outage; architected **WireGuard**-based secure remote access for IoT sensor fleet, reducing connectivity costs by over **85%** while enabling failover capabilities.
- Strengthened security posture for **SOC 2/CMMC** compliance by evaluating security vendors, coordinating penetration tests, implementing **network micro-segmentation** for IoT fleets, enforcing **least-privilege access controls**, and automating **vulnerability remediation** pipelines with continuous security monitoring.
- Delivered **customer-facing** deployment support for airspace awareness systems; **designed and integrated secure connectivity solutions** between on-prem radar defense systems, drone sensors, and cloud infrastructure for real-time threat detection.

Cloud Solutions Consultant April 2024 – February 2025
Assured Automation *Remote*

- Launched a secure hybrid edge-to-cloud ingestion backbone for industrial sites, cutting manual data entry by **50%**
- Equipped operators and engineers with real-time time-series analytics and alerting utilizing **InfluxDB** with **Grafana** visualizations; reducing detection-to-action time by **45%**. (∼20 min to ∼11 min).
- Achieved **99.9%** high-availability and scalability by migrating **ALL** on-prem services to a cloud-managed, **containerized architecture** using **Docker** and **Kubernetes**.
- Optimized data ingestion efficiency by **20%** through custom sensor codecs for cloud-based LoRaWAN data pipelines.

Education

Brigham Young University - Idaho Rexburg, ID
Bachelor of Computer Science, Emphasis in Artificial Intelligence *April 2022 – July 2024*

- BYU-I Academic Scholarship 2022, 2023, 2024
- Relevant coursework: Data Science, Big Data, Apache Spark, Databricks, PySpark, Polars, **Cloud Architecture**, **UNIX/Linux Administration**, Python

Brookdale Community College Lincroft, NJ
Associate's in Network Information Technology, 4.0 GPA *January 2019 – December 2022*

- Spring 2020 Dean's List, Fall 2021 Dean's List, Brookdale Foundation and Alumni Scholarship
- Relevant coursework: Network Design, **Cisco Network Administration**, **Juniper Network Routers**, Cybersecurity, **UNIX/Linux Administration**, Microsoft Administration

Certifications

Oracle Cloud Infrastructure (OCI) Solutions Architect Associate (2022)
AWS Solutions Architect – Associate (2021)
AWS Certified Cloud Practitioner (2021)