ALAN LE

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Professional Summary

Aspiring Cloud Support / Cloud Engineer with hands-on AWS infrastructure experience using Terraform, CDK, and GitHub Actions. Built multi-AZ deployments, serverless apps, and CI/CD pipelines. Seeking an entry-level cloud role where I can apply my cloud automation, security, and DevOps skills to real business environments..

Technical Skills

- **AWS:** EC2, VPC, S3, RDS, IAM, ALB, Lambda, API Gateway, DynamoDB, SES, Auto Scaling, CloudWatch, SNS, CloudFront
- **IaC/DevOps:** AWS CDK (TypeScript), Terraform, CloudFormation, GitHub Actions, Git

- **Languages & OS:** TypeScript, Python, JavaScript, Linux, Bash
- **Security & Networking:** IAM (RBAC, MFA, least privilege), Security Groups, VPC, TCP/IP, DNS

Projects

Cloud Engineering Academy, *Cloud Engineering Program*, Remote   **Nov 2024 - Present**

- Deployed serverless contact form using Terraform, **provisioning 19 AWS resources** (API Gateway, Lambda, DynamoDB, SES, S3) with CORS configuration, email confirmation, and unique inquiry ID generation.
- Architected and provisioned a multi-AZ, three-tier VPC architecture hosting an EC2 web application, **spanning 2 Availability Zones with public/private subnets, NAT gateways, and network ACLs for defense-in-depth**.
- Implemented Auto Scaling Groups, CloudWatch alarms, and SNS notifications, **enabled dynamic scaling from 2 → 6 instances using CloudWatch metrics and Auto Scaling policies**.
- Configured Application Load Balancer with listener rules, path-based routing, and restricted security groups, **distributing traffic across 2+ target groups with health checks every 30 seconds**.
- Developed AI-powered YouTube title generator using TypeScript, YouTube Data API, processing **50+ API requests per session with sub-second response times**.
- Launched Next.js portfolio on AWS Amplify with GitHub CI/CD, **reducing deployment time from manual uploads to <2 minutes.**
- Established IAM security architecture with MFA, RBAC, and least-privilege policies, **restricting access across 5+ IAM roles and eliminating overly permissive wildcards**.
- Designed a serverless video-sharing platform using Lambda, S3, MediaConvert, Rekognition, Transcribe, OpenSearch, and CloudFront, **processing video uploads end-to-end with automated transcription and content moderation**.

Certifications

AWS Certified Cloud Practitioner, *Amazon Web Services*   **May 2025 - May 2028**

- Validation #: 82fafacf13f1436badcd6676c82049c6
- AWS Solutions Architect – Associate (In Progress)

Employment

Abode Services, *Financial Analyst*, Fremont   **Dec 2022 - Sep 2024**

- Prepared monthly financial reports for **12 programs** using Sage Intacct, Nexonia, and SharePoint, covering **$500K–$6M** in annual program spend, including prebills, expenses, accruals, A/R aging, allocations, and program mapping.
- Calculated and allocated **$10k–$500k** in administrative expenses across **12+ funding sources**, ensuring accurate program-level cost attribution and compliance.
- Resolved unplanned audits across **5 California counties** under strict deadlines, delivering **100% on-time responses**.
- **Reported results to key decision-makers**, highlighting cost overruns, budget risks, and actionable recommendations ahead of month-end close.

Capitol Mazda, *Online Product Specialist*, San Jose   **Jul 2019 - Jul 2020**

- Generated over **$3.6M** in total automotive sales with over **180 successfully closed deals**.
- Outperformed monthly goals of **12+ units** with customer service **survey score above 95%** zone.

Education

San Jose State University, *B.S. in Finance*   **Aug 2018 - Dec 2021**

- Relevant coursework: Quantitative Analysis, Optimization & Decision Models, Data-Driven Forecasting