

ALAN LE

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Professional Summary

AWS Certified Cloud Engineer with hands-on experience building secure, scalable infrastructure using CDK, Terraform, and CloudFormation. Skilled in VPC networking, IAM security, serverless architecture, and CI/CD automation. Seeking a junior cloud engineering role to apply IaC expertise and a strong security-first mindset to cloud operations.

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, <i>Cloud Engineering Program</i>, Remote	Nov 2024 - Present
<ul style="list-style-type: none">Deployed a 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.Built an AI-powered YouTube title generator using TypeScript, YouTube Data API, and Groq AI, processing 50+ API requests per session with sub-second response times.Launched a Next.js portfolio application on AWS Amplify with CI/CD via GitHub, reducing deployment cycles from manual uploads to automated pushes in under 2 minutes.Established IAM security architecture with MFA, RBAC, and least-privilege policies, restricting access across 5+ IAM roles and eliminating overly permissive wildcards.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, enabling automatic scaling from 2 to 6 instances based on CPU utilization thresholds.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.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, <i>Amazon Web Services</i>	May 2025 - May 2028
<ul style="list-style-type: none">Validation #: 82fafacf13f1436badcd6676c82049c6Currently pursuing: AWS Solutions Architect – Associate (SAA-C03)	

Employment

Abode Services, <i>Financial Analyst</i>, Fremont	Dec 2022 - Sep 2024
<ul style="list-style-type: none">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, <i>Online Product Specialist</i>, San Jose	Jul 2019 - Jul 2020
<ul style="list-style-type: none">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, <i>B.S. in Finance</i>	Aug 2018 - Dec 2021
<ul style="list-style-type: none">Relevant coursework: Quantitative Analysis, Optimization & Decision Models, Data-Driven Forecasting	