

# ALAN LE

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## Professional Summary

AWS Certified Cloud Practitioner with hands-on experience building and automating AWS environments using CloudFormation, Terraform, and AWS CDK (Python / TypeScript). Practical skills in EC2, S3, VPC, RDS, Lambda, IAM, Linux/Bash, and CloudWatch. Seeking an entry-level Cloud Engineer / Cloud Support role to contribute IaC, cloud operations, and security automation.

## TECHNICAL SKILLS

- AWS Cloud Architecture (EC2, S3, VPC, RDS, Lambda, ALB, Auto Scaling)
- AWS CDK (Python, TypeScript, JavaScript)
- IaC (AWS CloudFormation, Terraform)
- Linux & Bash (System Admin, Scripting)
- Cloud Security (IAM Policies, RBAC, Security Groups, Network ACLs)
- CI/CD (Amplify, Git, GitHub, REST APIs)
- Cloud Monitoring (CloudWatch, CloudTrail)
- Networking (TCP/IP, DNS, HTTP)

## Projects

**Cloud Engineering Academy**, *Cloud Engineering Program*, Remote

Nov 2024 - Present

- Built a YouTube AI Title Generator web app using TypeScript, YouTube Data API, and Groq AI—fetches video metadata and generates 4 AI-powered title variations with different tones. ([github.com/elnala24/ytapp-project](https://github.com/elnala24/ytapp-project))
- Built and deployed a Next.js portfolio site on AWS Amplify with CI/CD—configured automated deployments from GitHub using AWS CDK (TypeScript) and stored credentials securely in AWS Secrets Manager. ([main.dw4k8zj5zj0c5.amplifyapp.com](https://main.dw4k8zj5zj0c5.amplifyapp.com))
- Implemented comprehensive IAM security solution using CloudFormation, Terraform, and AWS CDK (Python)—established role-based access control for 4 teams with MFA enforcement and least-privilege policies across EC2, S3, RDS, and CloudWatch resources. ([github.com/elnala24/aws-iam-security-project](https://github.com/elnala24/aws-iam-security-project))
- Migrated manual AWS infrastructure to Infrastructure as Code using AWS CDK with TypeScript—designed secure multi-tier VPC with public/private subnet isolation across 2 AZs, deployed EC2 web server and Multi-AZ RDS database with least-privilege security groups. ([github.com/elnala24/project2-techhealth-cdk](https://github.com/elnala24/project2-techhealth-cdk))
- Created a multi-AZ, three-tier VPC using CloudFormation—configuring public/private subnets, Internet and NAT Gateways, route tables, and security groups for high availability and network isolation.
- Defined CloudFormation templates for AutoScalingGroup, LaunchConfiguration, CloudWatch alarms, and SNS topics—ensured dynamic scaling with correct cooldowns and real-time notifications.
- Deployed an Internet-facing ALB with listener rules, target groups, path-based routing, and locked-down security groups using CloudFormation to enforce least-privilege access.
- Designed a video-sharing platform on Lambda, S3, MediaConvert, Rekognition, Transcribe, OpenSearch, MediaPackage, and CloudFront—applying high-availability and cost-optimization best practices.

## Certifications

**AWS Certified Cloud Practitioner**, *Amazon Web Services*

May 2025 - May 2028

- Validation #: 82fafacf13f1436badcd6676c82049c6

## EMPLOYMENT

**Abode Services**, *Financial Analyst*, Fremont

Dec 2022 - Sep 2024

- Prepare monthly reports for 12 programs extracted from Sage Intacct, Nexonia, and SharePoint: Prebill (Employee Time with Hourly Cost), Monthly Expenses, Accruals, A/R Aging, Travel, Reclassification, Admin Allocation, and Program Mapping.
- Assist development and review of program and contract budgets, reporting financial data such as profit and loss statements, trended analysis and notifying program managers about any significant changes.
- Recognizing unforeseen audits and providing a solution within a tight deadline to the counties of Santa Cruz, Santa Clara, San Mateo, Alameda, and Solano.
- Analyze and calculate administrative expenses and the appropriate allocation to all program's funding sources.
- Present financial data in various meetings with program managers to discuss monthly expense reports.
- Ad hoc analysis of financial issues and ensure accurate program accounting results.
- Manage contract renewal dates and provide financial compliance with government agencies.

**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.
- Created and structured over 50 purchase agreements per month using ADP desk tools.

## EDUCATION

**San Jose State University**, *B.S. in Finance*

Aug 2018 - Dec 2021