

ALEX BROOKS

AWS CERTIFIED CLOUD ENGINEER

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AWS Cloud Engineer with 4+ years of IT experience and 1.5+ years of hands-on cloud engineering, uniquely combining 10+ years of aviation operations expertise with proven ability to scale technology solutions from startup to multi-location enterprise.

Self-taught AWS practitioner who progressed to Solutions Architect certification, specializing in full-stack development, infrastructure automation, and DevOps using tools such as Terraform, GitHub Actions, and Amplify. Demonstrated success migrating legacy systems to reduce costs by 91% while maintaining enterprise reliability and mentoring technical teams.

AREA OF EXPERTISE

Amazon Web Services	EC2 EKS Fargate	CloudWatch AWS Security
AWS Service Selection	GitHub GitLab	DevOps CI/CD Pipelines
Terraform Ansible	Technical Collaboration	Architecture Design Lucid Chart

CERTIFICATIONS

AWS Certified Solutions Architect Associate (C03) | HashiCorp Certified Terraform Associate (002)
AWS Certified AI Practitioner (AIF-C01) | AWS Certified Cloud Practitioner (CLF-C02)

PROFESSIONAL EXPERIENCE

Cloud Engineer & Consultant | MyFlight Tours | Contract March 2021 – Present (4+ years)

- Configured and implemented AWS VPC architecture with multi-tier security groups, supporting 100+ daily bookings and tour operations
- Migrated legacy EC2-based infrastructure to AWS Amplify architecture, reducing monthly cloud costs by 91% while maintaining system performance and reliability
- Developed and deployed a helicopter tour logging application using React, Node.js, and TypeScript on AWS Amplify, enabling flight tracking and executive financial reporting
- Established disaster recovery protocols with cross-region backups, ensuring 99.9% uptime for mission-critical booking systems
- Configured CloudWatch monitoring and alerting systems, reducing incident response time from hours to minutes

Cloud Technical Trainer | Cloud Engineer Academy | Contract March 2025 – June 2025

- Directed operations for 300+ cloud engineering students across global training programs
- Delivered 15+ AWS technical workshops and hands-on cloud labs, training 100+ participants across multiple countries
- Developed educational content covering 10+ AWS services including EC2, Lambda, RDS, and advanced networking concepts
- Developed 8 deployable cloud portfolio projects for bootcamp students showcasing e-commerce, data analytics, and microservices architectures
- Provided technical mentorship and career guidance, achieving 85% certification pass rate among participants
- Created comprehensive assessment materials and certification preparation resources

Air Ambulance Helicopter Pilot Survival Flight Inc. Full Time	July 2024 – Present
<ul style="list-style-type: none">• Conducts critical air medical transport operations serving emergency medical services across regional coverage areas.• Operates advanced avionics and navigation systems ensuring safe flight operations in challenging weather and terrain conditions.• Maintains strict compliance with FAA regulations and medical transport protocols while ensuring operational safety standards.• Coordinates with dispatch centers and healthcare facilities for efficient patient transfer and emergency response coordination.	

EDUCATION	
Cloud Engineer Academy	Sep 2024 - Dec 2025
Online Cloud Engineering Bootcamp <ul style="list-style-type: none">• AWS Cloud fundamentals.• Hand-on practical AWS labs and workshops.	
University of Nevada - Las Vegas	Jan 2015 - April 2017
Continuing Education Program <ul style="list-style-type: none">• Helicopter Piloting and Aviation Logistics.	

INDEPENDANT LEARNING	
Current Course Enrollments	
<ul style="list-style-type: none">• AWS Certified Security – Specialty [SCS-C02] (Udemy - 22.5 hours)• CompTIA Security+ (SY0-701) Bootcamp (Udemy - 31 hours)• AWS Certified Solutions Architect – Professional [SAP-C02] (Udemy - 63 hours)	

KEY ACHIEVEMENTS	
<ul style="list-style-type: none">• Digital Solution Development - Developed and deployed a comprehensive helicopter tour logging and analytics platform using React, Node.js, TypeScript, and AWS Amplify, enabling flight crew operations and executive financial reporting across 12 helicopters in 8 locations.• Cost Optimization & Migration - Migrated legacy EC2-based infrastructure to AWS Amplify serverless architecture, reducing monthly operational costs by 91% and delivering over \$700 annually in cost savings while maintaining system performance.	

REFERENCES AVAILABLE UPON REQUEST	
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