

# Dehan Bekker

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## PROFESSIONAL SUMMARY

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**Cloud Engineer with hands-on experience in designing secure, highly available infrastructure on AWS. Skilled in Infrastructure as Code, security implementations, and serverless architecture. Certified AWS Solutions Architect, AI and Cloud Practitioner. Demonstrated success in improving system reliability, enhancing security posture, and optimizing cloud operations through automation and DevOps practices.**

## SKILLS

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**AWS services:** IAM, S3, EC2, Lambda, Cloudformation

**Infrastructure as Code:** Terraform, AWS CDK with Typescript

**CI/CD and Automation:** GitHub Actions, DevOps

**Soft Skills:** Communication, Team enablement, Client training, Technical documentation, Customer support, Leadership

**Programming Languages:** Python, JavaScript

## EXPERIENCE

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### Cloud Support Engineer

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Remote

- Supported client-facing applications by troubleshooting AWS infrastructure and ensuring reliable deployments.
- Migrated manual AWS deployments to Infrastructure as Code, reducing human error and improving scalability.
- Designed secure IAM frameworks to support team-wide role-based access and eliminate misuse of root credentials.
- Advised clients on infrastructure improvements and resolved support requests in healthcare and fitness industries.

## CERTIFICATIONS

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### AWS Solutions Architect Associate

Oct 2024

AWS • Expires: Oct 2027

### AWS Cloud Practioner

Oct 2024

AWS • Expires: Oct 2027

### AWS AI Practitioner

Sep 2025

AWS • Expires: Sep 2028

### Professional Project Management

Dec 2021

Google

### Cloud & AI Engineering

July 2025

Cloud Engineering Academy

## PROJECTS

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### Serverless Video Processing System | AWS

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- Implemented an end-to-end serverless video processing solution that reduced average processing time by 60% and enabled secure on-demand streaming for 10,000+ users, by architecting Lambda/S3/API Gateway/MediaConvert workflows, distributing via CloudFront and deploying reproducible CloudFormation stacks with an authenticated web upload/interface.

### CI/CD Pipeline for Web Development | React, CDK with Typescript, AWS, GitHub Actions

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- Implemented automated CI/CD deployment workflow, achieving sub-30-second deployments (~97% faster) and eliminating manual release errors by building GitHub Actions pipelines, S3 delivery, and real-time notification alerts to the development team.

### Enterprise-Grade File Storage Platform | AWS, IAM, S3, KMS

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- Designed secure cloud storage architecture that reduced potential data-exposure risk ~80% and achieved encryption-at-rest compliance, by implementing S3 server-side encryption with least-privilege IAM policies optimized for SMB usability

## LEADERSHIP EXPERIENCE

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### Young Adults Leader

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Hillsong

- Organized and led community programs for 100+ college students, enhancing their leadership and team working skills.