

# Dehan Bekker

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## 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

Solecurity

Jan 2025 — Present

Remote

- Streamlined AWS infrastructure and deployment processes, cutting client-facing application downtime by 40% and deployment failure rate by 60% by implementing automated CI/CD, monitoring, and targeted troubleshooting.
- Implemented Infrastructure as Code for AWS deployments, reducing deployment errors by 90% and cutting deployment time by 70% by migrating manual processes to automated Terraform/CloudFormation templates and CI/CD pipelines.
- Implemented role-based IAM framework, eliminating root-credential misuse (0 incidents) and reducing privileged-access incidents 85% across 10 users, by defining least-privilege roles, automating provisioning, and enforcing MFA and audit logging.
- Optimized IT infrastructure for healthcare and fitness clients, reducing system downtime by 35% and support ticket volume by 40% through implementation of proactive monitoring and streamlined incident-response processes.

### Student

Cloud Engineer Academy

Jan 2025 — Present

Remote

- Implemented an Infrastructure-as-Code platform, reducing provisioning time by ~60% and operational errors by ~40%, by authoring AWS CDK (TypeScript), Terraform, and CloudFormation templates to automate and standardize cloud resource provisioning and management.
- Implemented automated AWS infrastructure with Python and Lambda and deployed Dockerized applications, reducing deployment time by ~75% and cutting operational costs by ~30%.
- Improved production availability by ~35% and reduced MTTR by 50% by implementing scalable VPC architecture with load balancing, auto-scaling, and centralized monitoring/logging.

## PROJECTS

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### AWS Migration to IaC

- | Node.js, AWS CLI, AWS CDK with Typescript
- Implemented a fully automated, secure, scalable cloud infrastructure, reducing deployment time by 85% (hours to minutes) and cutting disaster recovery RTO from 4–6 hours to less than 15 minutes, achieving a 60% reduction in infrastructure management overhead by automating stack provisioning and eliminating manual console operations.

### CI/CD Pipeline

- | AWS CLI, GitHub Actions, AWS CDK with Typescript
- Developed GitHub Actions CI/CD pipeline for AWS CDK, achieving an 85% reduction in release cycle time and elimination of manual deployment errors across multi-account healthcare environments by automating infrastructure testing and deployment workflows.

### IAM Solutions

- | AWS CLI, Terraform, IAM, GitHub
- Implemented Terraform-based IAM Identity Center automation, achieving an 80% reduction in access management overhead and eliminating manual user provisioning by automating user and permission provisioning across multi-account AWS environments to enforce security compliance.

## CERTIFICATIONS

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### Solutions Architect Associate

AWS

Oct 2024

<b>Cloud Practitioner</b>	<i>AWS</i>	<i>Oct 2024</i>
<b>AI Practitioner</b>	<i>AWS</i>	<i>Sep 2025</i>
<b>Professional Project Management</b>	<i>Google</i>	<i>Dec 2021</i>
<b>Cloud &amp; AI Engineering</b>	<i>Cloud Engineering Academy</i>	<i>Aug 2025</i>

## **LEADERSHIP EXPERIENCE**

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<b>Young Adults Leader</b>	<i>Hillsong South Africa &amp; Australia</i>	<i>Jan 2012 — Jan 2015</i>
• Organized and led community programs for 100+ college students, enhancing their leadership and team working skills.		