

Mandla Ndhlovu

Cloud Engineer | Full-Stack Web Developer

Johannesburg, South Africa | +27 79 700 9702

mandlandhlovu264@gmail.com

Professional Summary

Cloud Engineer and Full-Stack Developer with hands-on experience deploying secure, scalable AWS infrastructure using EC2, Lambda and CloudFormation. Skilled in creating responsive web applications and automating deployments using DevOps tools like Terraform and CI/CD. Passionate about building real-world projects that solve complex problems.

Technical Skills

Cloud Platforms: AWS (EC2, IAM, S3, Lambda, CloudFormation, ECS, SES, CloudWatch, CodePipeline)

Frontend: HTML, CSS, JavaScript, Tailwind CSS, Bootstrap, React, Three.js, GSAP

Backend: Django, Node.js, MySQL, DynamoDB, REST APIs

DevOps & Tools: Git, Linux, Bash, NGINX, Terraform, CI/CD, Monitoring & Logging

Projects

Terraform VPC Infrastructure (AWS)

- Deployed a secure VPC with public subnet, internet gateway, and route table using Terraform.
- Automated provisioning of EC2 instances with key pair setup and security group rules.
- Gained deep understanding of infrastructure-as-code and modular configuration.

Serverless Email Marketing System (AWS)

- Built a serverless email campaign platform using Lambda, S3, API Gateway, and SES.
- Managed subscriptions with DynamoDB and used IAM + CloudWatch for permissions and debugging.

Auto-Scaling Django REST API on EC2

- Created a scalable backend using Auto Scaling Groups and Load Balancer.
- Deployed with CloudFormation and implemented monitoring via CloudWatch.

Secure Bastion Host Infrastructure (AWS)

- Designed a secure multi-AZ network with private subnets and SSH access via Bastion Host.
- Configured route tables, NAT, and security groups for controlled access.

MN Web Solutions – Portfolio Site

- Developed an animated React site using GSAP and Three.js to showcase projects and services.

AvantGarde Landscaping – Business Website

- Created a modern, responsive business site using Tailwind CSS and vanilla JavaScript.

RoadToEsling.com – Startup Website

- Built an SEO-friendly startup site with Bootstrap and contact form integration for a placement company.

Certifications and Courses

- Meta Front-End Developer
- Meta Back-End Developer
- AWS Cloud Essentials

Education

Bachelor of IT in Business – Rosebank College
Discontinued – Outstanding Fees