

# Aubrey T. Dube

## Middle Software & Cloud Engineer

### SUMMARY

Cloud-focused Software Engineer with hands-on experience in full-stack app development, cloud infrastructure, and AI, leveraging a strong foundation in computer systems engineering from Midlands State University. Expertise lies in designing scalable, secure cloud solutions and employing automation in DevOps pipelines, manifested through project work including the development of a Security & Safety Solutions Web App and an AI Customer Feedback Classifier on AWS. Technologically proficient with AWS, Docker, Kubernetes, Terraform, among others, coupled with a background in multiple programming languages like Python, JavaScript, and Java, which was applied in intern role at Fredca Security. Holds AWS Certified Cloud Practitioner and other relevant certifications, underscoring technical proficiency and dedication to cloud services excellence.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	Python (1 yr.), Java, React, AWS, Node.js
<b>Programming Languages</b>	Java, PHP, Python (1 yr.)
<b>AI &amp; Machine Learning</b>	AWS SageMaker, AWS SageMaker (Amazon SageMaker)
<b>JavaScript Frameworks</b>	Node.js, React
<b>Cloud Platforms, Services &amp; Computing</b>	AWS
<b>Amazon Web Services</b>	AWS Cloudformation, AWS CloudWatch, AWS CodeDeploy, AWS CodePipeline, AWS Cognito, AWS S3, AWS SageMaker, AWS SageMaker (Amazon SageMaker)
<b>QA, Test Automation, Security</b>	Apache Maven
<b>Deployment, CI/CD &amp; Administration</b>	CodeBuild
<b>Other Technical Skills</b>	ACF, Framer-motion, RDS

### WORK EXPERIENCE

#### Software Engineer Intern, Security & Safety Solutions Web App

**Duration:** July 2023 – Nov 2024

**Summary:** Development of web applications for smart security systems with full-stack technologies.

**Responsibilities:** Built full-stack apps, delivered RESTful APIs, integrated systems with AWS and Azure for data storage, scalability, and remote access, and collaborated with the team to meet project milestones.

**Technologies:** React.js, Framer motion, Tailwind, Email.js

### **Software Engineer Intern, AI Customer Feedback Classifier on AWS**

**Duration:** July 2023 – Aug 2024

**Summary:** Implementation of an AI-powered customer feedback classification system using AWS AI services.

**Responsibilities:** Utilized Amazon Comprehend and SageMaker AI for feedback analysis, S3 for data storage, CloudWatch for monitoring, and Streamlit with Python for web application integration.

**Technologies:** Amazon Comprehend, SageMaker AI, S3, CloudWatch, Streamlit, Python

### **Software Engineer Intern, Node.js App hosting on AWS Cloud Infrastructure with Terraform**

**Duration:** July 2023 – Aug 2024

**Summary:**

- Hosting a Node.js application on AWS Cloud Infrastructure utilizing Terraform for infrastructure as code

**Responsibilities:** Managed the infrastructure for a Node.js app using Terraform, EC2, RDS, S3 and configured security groups and VPC.

**Technologies:** Terraform, Node.js, MySQL, EC2, RDS, S3, Custom SGs, VPC

### **Software Engineer Intern, Complete AWS CI/CD DevOps Pipeline for Java Web App**

**Duration:** July 2023 – Aug 2024

**Summary:** Creation of a full CI/CD pipeline for a Java web application deploying via AWS services.

**Responsibilities:** Developed a complete CI/CD pipeline using AWS CodePipeline, CodeBuild, CodeDeploy, EC2, S3, and CloudFormation for efficient deployment of a Java application.

**Technologies:** Java, Apache Maven, AWS CodePipeline, CodeBuild, CodeDeploy, EC2, S3, CloudFormation, CodeArtifact

## **EDUCATION**

- **Bachelors In Computer Systems Eng**
- Studied at Midlands State University, Gweru, Zimbabwe
- 2021 - 2024

## **CERTIFICATION**

- **AWS Certified Cloud Practitioner**
- **AWS Cloud Services Bootcamp**



- CloudSec Network
- **AWS AI Practitioner**
- Udemy

