

Erick Soi,
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PROFILE:

I am a skilled Developer with a strong foundation in AWS (Amazon Web Services) cloud computing. With a passion for designing and implementing robust systems, I excel at creating scalable and efficient solutions that drive business success.

Professional Summary

- **Backend Development:** Proficient in designing and developing backend systems using Python, Php or Node.js, with a focus on performance and reliability.
 - **AWS Expertise:** Experience in leveraging AWS services for cloud-based solutions. Proficient in utilizing services like AWS Lambda, EC2, RDS, S3, and more to build scalable and secure applications.
 - **Database Management:** Skilled in working with various database technologies, including SQL (MySQL, PostgreSQL) and NoSQL (Mongo dB), ensuring data integrity and efficiency.
 - **API Development:** Experienced in creating RESTful APIs and microservices for seamless communication between frontend and backend systems.
 - **Infrastructure as Code:** Proficient in using tools like AWS CloudFormation or Terraform to automate infrastructure provisioning, ensuring repeatability and consistency.
 - **Security:** Knowledgeable in implementing security best practices in AWS, including IAM, VPCs, encryption, and compliance standards.
 - **Monitoring and Optimization:** Capable of setting up monitoring and alerting systems using AWS CloudWatch to ensure system health and performance optimization.
 - **DevOps and CI/CD:** Familiar with DevOps principles and experienced in setting up continuous integration and continuous deployment pipelines for efficient software development and deployment.
 - **Problem-Solving:** Strong analytical and problem-solving skills, with the ability to troubleshoot complex issues and optimize backend processes.
 - **Team Collaboration:** Effective communicator and team player, capable of collaborating with cross-functional teams to deliver high-quality software solutions.
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WORK AND PROFESSIONAL EXPERIENCE

Position: Developer

Company: Jendie Automobiles

Year: 2022 – 2023

Duties and responsibilities:

- Develop and deploy web applications to the AWS cloud.
- Third-party API integrations (MPESA online payment services, AKI DMVIC, SMS, DPO Visa, Email) to various company applications.
- Develop and deploy speed limiter and GPRS backend modules

Position: Developer

Company: Viebeg

Year: 2020

Duties and responsibilities:

- Developed and maintained web applications using Django Rest Framework as the backend and React as the front end.
- Designed and implemented RESTful APIs for communication between the frontend and backend.
- Utilized PostgreSQL to manage and store application data.
- Implemented authentication and authorization mechanisms to ensure secure access to application features.

Position: Data Engineer

Company: Invent Consulting Limited

Year: 2020 - 2022

Duties and responsibilities:

- Create serverless lambda applications on the AWS Cloud to handle client files
- Create scripts that automate file validation
- Apply validation rules on data.
- Ensure daily data consistency on Both Amazon RDS and Redshift Databases.
- Create CICD Pipelines for service deployment to the AWS cloud

Position: AWS Devops Engineer
Company: Digital Divide Data - Kenya
Year: 2017 2020

Duties and responsibilities:

- Web, Image and Pdf scraping using python scripts.
- Monitor availability and performance using different tools
- Ensure level of fault tolerance based on business needs.
- Identify potential issues on a given application deployment.
- Identify performance bottlenecks and implement remedies.
- Provide L1 support.
- Create backups for different services.
- Manage backup and disaster recovery processes.
- Implement and manage security policies.
- Ensure data integrity and access controls when using the AWS platform.
- Create cloud architecture infrastructure for clients.
- Database maintenance and management of database related projects.
- Automation and Configuration management.
- Cloud infrastructure deployment with python

Position:
Developer/Support
Company: LYRASIS
Year: 2019 to 2020.

Duties and responsibilities:

- Task Automation using terraform and ansible
 - Update Dspace Client Themes from Github to AWS Code Commit
 - Perform Postgres Database Migration for clients from Dspace Version 5 to Version 6
 - Deploy Clients on ECS.
 - Develop lambda functions to be invoked by cloudwatch events.
 - Review and improve technical documentation of the CSpace data model and API.
 - Build an entity-relationship diagram and data dictionary for CSpace.
 - Improve UI and error handling for current Ruby-based data migration tool inorder to simplify its usage and to reduce user error.
 - Facilitate migration of data from other museum collection management systems into CSpace, develop documentation and a CSV template that any CSpace implementer can use in conjunction with the migration tool.
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Position: AWS Dev/Support
Company: Enquizit
Year: 2018

Duties and responsibilities:

- Cloud Formation templates for cloudinfrastructure deployment
 - Create Python scripts to manage cloud infrastructure
 - Automate monthly Server patching using AWS Systems Manager
 - Perform EC2 vulnerability scans using AWS Inspector.
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EDUCATION BACKGROUND

Zetech University

2016 - 2019 (Evening Classes) Bachelor of
Science Information Technology

Digital Divide Data Cloud Academy

2017

Certificate - AWS SysOps Administrator - Associate Level

St Teresa's Secondary School

2008 – 2011

Kenya certificate of Secondary Education-KCSE

Certifications

- AWS Certified SysOps Administrator - Certificate
 - AWS Cloud practitioner
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Personal Interests:

- Science and Astrophysics
 - Martial arts
 - Coddling
 - Cycling
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REFEREES

1. Mr. Billy Nelson | Cloud Solutions Architect | bilnels03@gmail.com | Cell: +254 729 112 782
 2. Mr. Daniel Thuo | Social Mission Coordinator | Digital Divide Data Kenya | daniel.thuo@digitaldividedata.com | Cell: +254 718 625419
 3. Mr. Samuel Muli, Director, Invent Consulting Limited.sam@invent.co.ke| Cell +254 723160272
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