Stephen Otieno

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EDUCATION

KENYATTA UNIVERSITY
BSc(Mathematics & Computer Science)
Final Term GPA. 76.61/100
Cum. GPA 63.51
Dec, 2021
Nairobi, Kenya

COURSEWORK

MATHEMATICS
Ordinary Differential Equations
Partial Differential Equations
Discrete Mathematics
Functional Analysis
Advanced Calculus
Geometrical Analysis

COMPUTER SCIENCE
Computer Networking
Operating Systems
Artificial Intelligence
Functional Programming
Computer Graphics
Object Oriented Programming
Information Systems

SKILLS

PROGRAMMING
Over 5000 lines:
Java • Spring Boot • React
C# • Jenkins • SQL • Typescript
Over 1000 lines:
C • C++ • Groovy
Tools:
Azure • Openshift • MySQL • RabbitMQ
PostgreSQL • Apache Kafka • Linux •
Docker • Kubernetes
SailPoint IdentityNow • Active Directory

SOFT SKILLS
Analytical Skills
Communication Skills
Time Management
Project Management
Interpersonal skills
Flexibility

CERTIFICATIONS
AWS Certified: Solutions Architect
Associate

SailPoint Certified: IdentityNow
Professional

EXPERIENCE

KONVERGENZ NETWORK SOLUTIONS | Software Engineer
Dec 2022 – Present | UpperHill, Nairobi
- Implemented SailPoint's IdentityNow Solution to enterprise applications so as to manage 10,000+ identities on 30+ application.
- Developed Joiner-Mover-Leaver workflows to automate employee lifecyle across the organization thereby enabling/disabling user accounts as necessary.
- Wrote Java code and SQL Queries to help onboard applications that used WebServices and Direct Database connection respectively.
- Integrated the various IdentityNow services - Access Request, Provisioning, Password Management & configuring certification campaigns to the applications onboarded.
- Oversaw a team of 5 interns, delegated tasks and crafted learning techniques that ensured increased overall team productivity by 15%.

CRAFT SILICON LTD | Software Engineer
Aug 2022 – Dec 2022 | Musa Gitau Rd, Nairobi
- Performed B2B, C2B, B2C payment integrations by creating high-performant services in C# (.NET Framework & .NET Core) that handled 500,000+ daily requests and facilitated movement of more that KES 5M+ daily.
- Created APIs that consumed CORE banking services that were used by customers to perform transactions through mobile banking applications.
- Wrote and deployed backend APIs that enabled banks and micro-finance lenders to score potential borrowers by integrating with Credit Reference Bureaus(CRBs)
- Built Merchant-Presented QR Code payment (MasterCard) service that leverages QR Code to process payments for Little App Kenya.

PROJECTS

MOOVA | Java, Docker, Kubernetes
Adopted the **MicroServices Architecture** for this project. Developed 4 Microservices for different functions, containerized and deployed them as a Kubernetes cluster on AWS ECS. Also implemented Apache Kafka to serve communication between the different microservices. View Project Here.

INTERVIEW ME | Java, MySQL, AWS
Developed this application using Spring Boot, wrote unit tests using JUnit, used Jenkins to create a CI/CD pipeline that tests the code, packages the artifacts, containerizes it using docker, pushes it to docker hub before AWS pulls it and runs it in an AWS ECS. View Project Here.

REFERENCES

[1] Mr. James Mwangi |Software Engineer |E & M-Tech |P.O.Box 11001-00100 Nairobi| 0718682736| jamesmngige@gmail.com

[2] Ms. Ruth Njoki |Software Development Engineer in Test |Safaricom Ltd |P.O.Box 66827-00100 Nairobi | 0702107462| njokimatheri85@gmail.com

[3] Mr. Amos Moyo |Software Engineer |Craft Silicon Ltd |Musa Gitau Rd, Nairobi| 0710510906| amosmoyo5300@gmail.com