Joy Doris Mwamburi
Java Developer
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Summary

Senior Java Engineer with over 5+ years' experience building mobile, web and RESTful applications. Well-versed in Java programming language and frameworks including but not limited to: Java, Spring boot, Docker, Apigee,WS02, and Kubernetes.

I am passionate about technology and security, I maintain a keen interest in the new emerging trends in my fields to remain abreast and in line. In my previous roles I was able to achieve reduced app memory consumption by 30% and decrease startup time for the microservices by 70%

Professional Work Experience

Tala (formerly Inventure LTD) as:

SDET II (Software Developer Engineer in Test)
December 2021 - October 2022

Develop test automation suites to expand test coverage to all our microservices and integrate it into regression and release process

Deliver framework for performance testing to be used on-demand and as part of regular testing Deliver tools to help test integration with 3rd party services (Payment Rails, SMS/Email, KYC (know your customer), Analytics, etc.)

Integrate automated tests execution into the software development process Collaborate with squad leaders and other key stakeholders to strategize Product rollout

Support and collaborate with cross-functional teams (Product, Data, Credit, and Business Development) in identifying automation areas to further increase the quality of our product

Maintain, review, propose and implement improvements to existing frameworks, tools, and processes.

Safaricom PLC as:

1. Senior Back End Engineer
April 2021 - December 2021

Servant leadership, developing talent across the business and outside the organization

Agile mindset and behavior, championing and influencing a culture of growth mindset, self-leadership, and quality development

Craft enablement through coaching, mentoring, facilitation, and teaching Strong relationship management skills as the chapter span across various Squads and Tribes

Business acumen and shaping a competitive customer-focused culture Technical acumen in capability delivery and thinking critically about the application of technologies to solve customer experience problems Effective problem solving and decision making to guide technology delivery in the Tribe squads

2. Microservices Engineer
July 2019 - March 2021

Design, develop, deploy, Java Spring boot microservices on both cloud (AWS & Azure) and on prem (kubernetes & openshift) clusters.

Dockerize the microservices and deploy

Expose API proxies on Apigee Edge to connect to the internal deployed microservices

Telkom Kenya PLC as:

Software DevOps Engineer
July 2018 - August 2019

During this period, I am lead Devops engineer in Application Development and Systems support in various systems. I develop PL SQL Queries to create automated reports sent daily as Excel pivot tables. As the lead developer in developing integrations to Mpesa C2B API, enabling Telkom subscribers to be able to buy airtime from Telkom

paybill 777711 for prepaid customers and for postpaid Telkom subscribers to be able to pay their postpaid bill from their mpesa Wallet to Telkom paybill 766600.

Both applications integrated into different internal systems, the billing system (OCS) for prepaid, the subscriber profile system (POS), third party airtime system(EJAZE) and finally postpaid billing and profile system(GPTO). All documentation of development, deployment and support I uploaded in confluence, the company's collaborative wiki. All source code I uploaded on to the repo.

Apart from the above integrations, I also perform daily operational support of internal systems, mainly the Telepin system, by checking transaction's status performed by Tkash subscribers and resolving daily LAN Support tickets, reported. I also designed and developed HA(High Availability) on application and DB servers, using open source tools i.e. corosync and pacemaker. As a developer, I am part of development team, actively involved in development and integration of T-kash's new ESB i.e.(WSO2 Api Gateway) that comprises, development of APIs and Sequences in wso2 EI(Enterprise integrator), development of Java Microservices to integrate internal systems to the ESB and deployment into the APIGW environments using Jenkins jobs into Kube clusters(Kubrnetes) that enable run the integrations within the ESB(WSO2 API Gateway).

Fintech Kenya Limited as:
Software Developer
August 2016 - June 2018

During this period, my major task has been to develop a USSD application and integrate it into an existing online system. The USSD application would facilitate the use of the existing service which is running on the android platform. The application is one that is going to be able to help users access their service cards which would allow them to do money transactions. Working on System integration of the core banking system and Flex cube. Working with MySQL Server to perform Data mining, using SQL profiler to optimize Queries in the SQL DB. Writing Test scripts and Writing test evidence.

Customizing the finsacco product by adding a Death claim module which allows Sacco members Next of kin and Beneficiary to claim funds of the deceased Sacco member and allow the Sacco to claim insurance from the insurer. Working as the Lead developer for an online Bulk payment system for Citi Bank that facilitates Bulk KPLC (Electricity Bills) payments for their corporate clients from the convenience of their homes. The web application is hosted on IBM WebSphere, in a Linux server. It uses Java Spring MVC – Maven Jetty technologies. Working with business Users in gathering requirements and actively cataloging and supporting various issues and providing timely solutions. Using Pentaho Data Integration/Kettle to design all ETL processes to extract data from various sources including live system and external files, cleanse and then load the data into target data warehouse. Writing UNIX shell scripts for file validations, payload ciphers and scheduling batches and jobs for pre-processing and post-processing of the files. Converting existing SSIS Package to Pentaho 5.4 data integration jobs. Designing Staging Databases and Data Warehouse DB using Star Schema. Creating Dashboards with Key Performance Indicators in SQL server 2014 Reporting Services.

mHealth Kenya Limited as:
Mobile Application Developer (Android)
September 2015 - August 2016

Develop and design mobile systems. Integrate web-services to the application and monitor the system traffic.Assist in web application development and systems enhancement.Build UI and learning modules for the systems users.Enhance existing systems and add functionality.Brand development, website traffic growth, web site UI and advertising(Social Media Strategy).

Education Background

Strathmore University (July 2021 - August 2021)
Developing Leadership Capabilities Programme, Organizational Leadership

Daystar University (2011 - 2015)
Bachelor of Science (BS), Applied Computer Science
Seven Seas Technology Kenya (2014 - 2014)
Knowledge for life Certificate, Knowledge 4 Life Certificate

Strathmore University (2010 - 2011)
Certificate, Certificate in ACCA (Association of Chartered Certified Accountants)