

Marlone Nyapwere

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PROFESSIONAL SUMMARY

Software Engineer with experience building cloud-native applications, distributed systems, and automation solutions in enterprise environments. Skilled in developing microservices, implementing CI/CD pipelines, and improving system reliability through monitoring and observability. Strong foundation in Java, Python, cloud platforms (AWS/Azure), and DevOps practices, with hands-on experience in containerization and infrastructure automation.

EDUCATION

Master of Science – MS, Computer Science
The George Washington University

Aug 2025 - Present
Washington, DC

Bachelor of Science – BS, Computer Science
University of Zimbabwe

Aug 2018 – May 2022
Harare, ZW

WORK EXPERIENCE

Software Engineer
Commercial Bank of Zimbabwe

Feb 2023 – Aug 2025
Harare, ZW

- Designed and developed cloud-native microservices and backend services using Java and Spring Boot, supporting systems supporting 1M+ users
- Built and deployed RESTful APIs for system integrations, improving data flow efficiency by 25% across distributed services.
- Contributed to cloud migration and CI/CD automation initiatives, reducing deployment time by 30% and improving system scalability and uptime.
- Implemented centralised logging and monitoring pipelines (ELK), improving observability and accelerating incident detection and resolution.

Software Engineer Intern
National Building Society

Jan 2021 – Dec 2021
Harare, ZW

- Developed distributed backend systems and automation workflows to streamline business processes, improving operational efficiency by 40%
- Designed and implemented microservices orchestration platform, improving system reliability and fault tolerance.
- Optimised relational databases (PostgreSQL, MySQL) improving query performance by 20%..

PROJECTS

Workflow Orchestration Engine | Java, Spring boot, PostgreSQL, Docker

Jan 2025 – May 2025

- Built an extensible workflow orchestration engine to execute dynamically defined multi-step workflows, coordinating synchronous task execution, dependency resolution, retries and failure handling.
- Designed a JSON-driven workflow model with pluggable task executors and persistent workflow state, using Kafka for synchronous event driven communication and enabling reliable tracking and recovery of workflow execution.

Real-time log aggregator | Java, Spring boot, Scala, DynamoDB, Kafka

Aug 2025 – Dec 2025

- Built a real-time log processing pipeline that ingests application events through Kafka and processes streaming log data with Apache spark for aggregation and analysis.
- Designed a scalable event driven architecture for transforming and persisting high-volume log data in Cassandra, decoupling ingestion, stream processing, and storage to support independently scalable pipeline components.

TECHNICAL SKILLS

Languages | Java, Python, SQL

Backend and Systems | Spring Boot, REST APIs, Microservices, Distributed Systems

Developer Tools | Git, Docker, Kubernetes, Junit, Mockito, Jenkins

Cloud, Monitoring and DevOps | AWS, Azure, CI/CD, Prometheus, Grafana, Infrastructure as code (IAC)