

Chilekesha Kasoka *Computer Systems Engineer*

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📍 Lusaka, Zambia

🌐 ChileKasoka

Profile

As a computer systems engineer, I've always been drawn to how different layers of technology interact — from hardware fundamentals to high-level software architecture. My journey into software development started a little over four years ago, after experimenting with Java and Spring Boot while building a small web app for my final year project. I'd always been curious about how things worked behind the scenes — databases, APIs, infrastructure — and once I started piecing those parts together, I was hooked.


Since then, I've built and deployed several full-stack applications, with a strong focus on backend systems that are fast, secure, and easy to maintain. I've worked a lot with PostgreSQL and MySQL, and spent plenty of time writing and optimizing RESTful APIs. Along the way, I've picked up hands-on experience with Docker, AWS (EC2, S3, IAM), and both Linux and Windows servers, which has made deploying projects and managing infrastructure feel second nature.

Work Experience

2023/09 – 2025/03

Lusaka, Zambia

Junior Software Developer/Tester

John Snow Health Zambia (JSH) 

Execute full lifecycle software development.

Write well designed, documented, testable, efficient code.

Develop enhancements, test, and maintain the electronic Logistics Management Information System (eLMIS) including related interfaces with other existing systems.

Use JSH-Z's web-based bug tracking systems to log bugs, enhancements and to update bug resolution status.

Develop and/or review technical user manuals, guides, job aids and training manuals

Comply with general agile testing and programming best practices as well as the principles for digital design

Design and execute test plans and test cases on the eSCMIS suite (eLMIS Facility Edition, Central Edition, Hub and District Modules) and related interfaces

Detect software failures through testing so that defects may be discovered and corrected

Implement and adhere to JSH-Z's personnel and fraud management policies

2022/05 – 2022/12

Lusaka, Zambia

Junior Software Developer

Twende Limited (Adanian Labs)

Developed backend features for **Twende**, a Laravel-based courier management system for deliveries.

Designed and maintained MySQL database schemas to support order creation, tracking, and dispatch.

Optimized backend performance and query efficiency to support real-time logistics operations.

Collaborated with the product team to ensure the system met the needs of both users and delivery staff.

2021/01 – 2021/04

Lusaka, Zambia

Software Developer Intern

CERIC TECHNOLOGIES - Reuben Chisebu

I contributed to the development of a loan application system built with Laravel and MySQL, where I supported various parts of the backend development lifecycle. I worked closely with the Team Lead to design and implement features that allowed users to apply for, track, and manage loans.

Skills

IT essentials

Cisco Networking, CCNA1 & CCNA2, IT Support

Linux

Ubuntu, CentOS, RedHat

Backend

JAVA, GOLANG, PYTHON

Agile Methodology

Experienced in Agile development environments with regular sprint planning, standups, and retrospectives.

Wordpress

customized themes, built child themes from scratch, managed plugins, and handled everything from site performance optimization to basic SEO.

Framework

Spring boot, Spring MVC.

Frontend

HTML, CSS, ReactJS, VueJS

Ochastration Tools

Docker containers, Kubernetes

Databases

MySQL, PostgreSQL

AWS

- **Compute:** Launched and managed EC2 instances for hosting REST APIs and containerized applications using Docker.
- **Storage:** Utilized S3 for storing application assets, backups, and configuration files.
- **IAM:** Created and managed IAM users, roles, and policies for secure access control.

Certificates

CISCO Certification

CCNA Routing and Switching: Introduction to Networks

CISCO Certification

IT Essentials

Bachelor of Computer Science

Computer Systems Engineering

JSI/WEI Child Safeguarding Course

U.S. Family Planning and Abortion Requirements

Education

2017/01 – 2021/12

Lusaka, Zambia

Bachelor of Computer Science

University of Zambia

2009/02 – 2014/12

Chingola, Zambia

O-Level Certificate

Nchanga Trust School

Traceable Referee

present

Zambia

MIS Director

Management Information System Director at John Snow .Inc (JSI) /JSH

Provide strategic direction and leadership to ensure Electronic Supply Chain Management Information System (eSCMIS) project goals and objectives are met. She can be reached at her email address wendy_bomett@jsi.com

present

Lusaka, Zambia

Senior Business Analyst

Business Analyst & Software Developer at JSI/JSH

Senior Business Analyst and Product Owner. He can be reached at friday_simfukwe@jsh-z.com

present
Lusaka, Zambia

Senior Software Developer

Senior Software Developer / Architect on the team at JSH Zambia

Senior Software Developer / Architect on the team, he leads the UI design and development process and is a great resource for dev work. He can be contacted at mekbib_adgeh@jsh-z.com

2021/01
Lusaka, Zambia

Open Source Solutions Consultant

Linux Administrator

Linux under supervision of Santos Venter Chibenga, System Engineer, at Living Open Source Zambia. Phone No. +260963542263