

# Chilekesha Kasoka *Computer Systems Engineer*

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📍 Lusaka, Zambia

🌐 ChileKasoka

🔗 ck-web-profile.netlify.app

## Profile

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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

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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

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### IT essentials

Cisco Networking, CCNA1 & CCNA2, IT Support

### Windows Server

Active Directory, DNS, DHCP

### 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.

### Framework

Spring boot, Spring MVC.

### Linux

Ubuntu, CentOS, RedHat

### Backend

JAVA, PHP, 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.

### Mobile Development

React Native/ Flutter

## Certificates

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### 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

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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

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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

## Projects

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### Electronic Supply Chain Management Information System (ESCMIS)

*eLMIS (Electronic Logistics Management Information System)*

eLMIS ([Electronic Logistics Management Information System](#) ) is a **digital health logistics system used in Zambia to manage and automate the supply chain of medicines and other health commodities, reducing waste and ensuring availability at health facilities**. Implemented in partnership with organizations like [USAID](#)  and supported by [John Snow Health Zambia](#) , eLMIS provides data-driven insights for decision-making, improves reporting efficiency, and enhances supply chain visibility and security, based on the open-source [OpenLMIS](#)  platform.