

LLOYD CHIBWE

Entry-Level Full-Stack Software Developer

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PROFESSIONAL SUMMARY

Results-driven and adaptable Computer Science graduate with 1+ years of hands-on experience in building scalable full-stack applications using Java (Spring Boot) and Python (Flask). Proven expertise in developing and optimizing RESTful APIs, reducing processing times by 30%, and implementing robust database solutions. Seeking to leverage technical skills and innovative problem-solving abilities in a challenging software engineering role. Agile collaborator with excellent communication skills, capable of thriving in diverse and distributed teams.

TECHNICAL SKILLS

- Programming Languages: Java, Python, JavaScript, SQL, HTML, CSS
- Frameworks & Libraries: Spring Boot, Hibernate, Flask, React,
- Databases & Tools: MySQL, Git, GitHub, Jira, Docker, Postman, Linux
- Concepts: RESTful APIs, Microservices, Agile/Scrum, OOP, Unit Testing

WORK EXPERIENCE

Software Developer Intern | TelOne Zimbabwe | Harare, Zimbabwe August 2023 – July 2024

- Engineered 3+ microservices with Spring Boot, slashing data latency by 30% and improving system throughput.
- Designed and secured RESTful APIs; integrated JWT-based authentication for enhanced security.
- Optimized complex MySQL queries and introduced indexing, resulting in a 40% reduction in loading times.
- Implemented a testing suite using JUnit achieving 95% code coverage and reducing bugs by 25%.
- Collaborated in a cross-functional Agile team using Jira, conducting code reviews via Git.

PROJECTS

Adaptive Traffic Light Management System | Python, Flask, YOLOv5, MySQL, React

- Architected an intelligent traffic control system using computer vision (YOLOv5) to dynamically adjust signal timings, reducing average wait times by 35% in simulation.
- Developed a Flask backend and a React dashboard for authorities to monitor traffic metrics.

Secure Microfinance Banking Platform | Java, Spring Boot, React, MySQL, JWT

- Led the end-to-end development of a microfinance application supporting user onboarding, loan processing, and secure transactions for 500+ demo users.
- Implemented Spring Security with JWT and RBAC, ensuring PCI DSS compliance guidelines were met.

EDUCATION

BSc (Hons) Computer Science | University of Zimbabwe | Harare, Zimbabwe 2021 – 2025

| Upper Second-Class (2:1)

- Relevant Coursework: Advanced Algorithms, Machine Learning, Computer Networks & Security.
- Dissertation: Development Of an Adaptive Machine Learning-based Traffic Light System for Optimizing Traffic Flow in Urban Areas

CERTIFICATIONS

- Oracle Academy Certificate for Database Programming with SQL
- Certificate Of Course Completion Introduction to Cybersecurity
- AWS Certified Cloud Practitioner (CLF-C02) – In Progress
- Cisco Certified Network Associate (CCNA) – In Progress

REFERENCES

- ♦ Eng. F.Gwokuda (Head Software Developer, Innovation Department TelOne) +263 77 234 1693, fidelis.gwokuda@telone.co.zw
- ♦ Mr. T. Rupere (Chairman, CS Department UZ) trupere@ceic.uz.ac.zw