

LLOYD CHIBWE

Full-Stack Software Developer | Java Spring Boot | React | Flask | MySQL

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PROFESSIONAL SUMMARY

Full-Stack developer that has more than one year of practical experience in developing scalable web applications in Java (Spring Boot) and React. Experienced in creating and optimizing RESTful API, secure authentication using JWT and adding powerful MySQL database solutions. Agile-experienced with tools like Jira and Git, with developed high-quality and tested code with 95% unit test coverage. Very well-trained team player possessing good problem-solving and communication expertise, eager to develop the appealing software solutions throughout the entire development cycle.

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, Unit Testing, Networking (TCP/IP, VPNs, Firewalls)

WORK EXPERIENCE

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

- Developed and deployed microservices using Spring Boot to improve system performance.
- Designed and secured RESTful APIs, integrating JWT-based authentication for secure access.
- Optimized MySQL queries and implemented indexing to enhance database efficiency.
- Created and executed unit and integration tests with JUnit to ensure software reliability.
- Collaborated within a cross-functional Agile team using Jira for project tracking and Git for version control.
- Assisted network engineers in monitoring server performance and troubleshooting connectivity issues.
- Supported the configuration and maintenance of internal networks, gaining exposure to TCP/IP, VPNs, and firewalls.

Freelance Full-Stack Developer | Remote | 2022 – Present

- Designed and developed responsive web applications for small businesses using React and Spring Boot.
- Built RESTful APIs and integrated secure authentication and authorization workflows.
- Created and managed relational databases with MySQL, ensuring data accuracy and performance.
- Collaborated with clients to gather requirements, design solutions, and deliver projects on time.
- Deployed applications to cloud environments and provided ongoing maintenance and support.

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.
- Developed a Flask backend and React-based dashboard for real-time traffic monitoring and analytics.
- Designed a MySQL database to store and analyze vehicle detection data.

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

- Led the full-stack development of a microfinance application supporting user onboarding, loan processing, and secure transactions.
- Implemented Spring Security with JWT and Role-Based Access Control (RBAC) for robust authentication and authorization.
- Ensured compliance with PCI DSS security guidelines, enhancing application trustworthiness.

EDUCATION

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

Upper Second-Class (2 :1)

Dissertation: Development Of an Adaptive Machine Learning-based Traffic Light System for Optimizing Traffic Flow in Urban Areas

CERTIFICATIONS

Completed:

- Oracle Academy – Database Programming with SQL
- Introduction to Cybersecurity

In Progress:

- AWS Cloud Practitioner
- Cisco Certified Network Associate (CCNA)

Key Achievements

- Developed and deployed microservices at TelOne that improved system performance and stability.
- Designed and secured RESTful APIs with JWT authentication, strengthening application security.
- Built and deployed a personal **portfolio system** and client-facing applications as a freelancer.

REFERENCES

Available upon request.