VINCENT LYOND0

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PROFILE

I am a skilled and results-driven software engineer with a strong academic foundation and practical experience in computer science. I earned my Bachelor of Science in Computer Science from DMI St. Eugene University.

With expertise in both full-stack web development and mobile application development, I specialize in delivering comprehensive end-to-end solutions—from intuitive user interfaces to robust and efficient backend systems and database management. My experience includes designing scalable, user-friendly applications and tackling complex technical challenges with innovative solutions.

I am passionate about continuous learning and thrive in collaborative, fast-paced environments. I consistently seek opportunities to grow both technically and professionally. My ultimate goal is to contribute to impactful projects that drive positive change while further advancing my skills as a software developer and technology enthusiast.

EDUCATION

DMI ST.EUGENE UNIVERSITY | LUSAKA, ZAMBIA   **Feb 2021 - JUNE 2025**

Bachelor of science in Computer Science

- Obtained my degree in bachelor of science in computer science with a distinction in the class of 2025.
- **Key modules**: Computer Science 1 and 2, Data Structures and Algorithms, Discrete Mathematics, DatabaseManagement Systems, Software Engineering, Computer Networks, Web Development,Artificial Intelligence (AI), Cybersecurity, Project Management and Teamwork.
- **Mini project:** Vision Guard (mobile application for eye disease detection and prediction)
- **Final year project :** Addiction therapy companion using ai (Mobile application that facilitates the rehabilitation process).

NCHANGA SECONDARY SCHOOL OF ACADEMIC EXCELLENCE | **Dec 2019**
CHINGOLA, ZAMBIA

- **Senior Secondary School Certificate -** Obtained My Senior Secondary school certificate with SIX(6) O-Level passes including English and Mathematics, with four distinctions and two merits.

ACHIEVEMENTS

- Second Best Graduating Student – BSc in Computer Science, 2025
- Team Leader – Digital Safe CTF Competition, 3rd Place, 2024
- Participated in the Mukuba Unipod x Robotics Club Tech Expo in the Digital Solution for Global Impact, 2024
- Web3 Hackathon (DMI St. Eugene University), 3rd Place, 2023
- Part of the 1st Prize Winner team at Nyamuka Africa Inspire Innovation Challenge, 2023
- Part of the 1st Prize Winning Team for the Inno- Expo at DMI ST.EUGENE UNIVERSITY, 2023

CERTIFICATES

- I4GxZuri Cohort 1 Scholarship (2022): Full Stack Developer
- Power Learn Project (2023): Full Stack & Mobile Developer

SKILLS

- Accomplished full-stack developer with expertise in Python and the Django framework.
- Proficient in mobile application development using Flutter.
- Advanced experience integrating microservices with front-end frameworks like React and Next.js.
- Certified in full-stack development, with additional certifications in application and web development.
- Skilled in application design, ensuring optimal performance and user experience.
- Strong understanding of database design and management using MongoDB and SQL databases.
- Experience deploying applications on cloud platforms such as Vercel.
- Knowledgeable in blockchain development and Web3 integration.
- Java expert with backend development experience using Spring Boot and MySQL.
- Experienced in developing custom SQL access layers and raw query handling for fine-tuned database control.
- Implemented chunked data storage and reconstruction logic for handling large files efficiently.

TECHNICAL EXPERIENCE

- Designed and developed responsive websites and applications using React, Next.js, and Flutter.
- Integrated RESTful APIs and WebSockets to enable real-time data communication.
- Built and managed databases, ensuring seamless data storage and retrieval.
- Deployed full-stack applications on cloud platforms and optimized server performance.
- Developed and maintained Java-based web applications using Spring Boot.
- Created and consumed REST APIs with custom SQL data access (avoiding JPA), improving performance and control.
- Implemented chunked file storage and logic for reconstructing large data (e.g., videos) in backend services.
- Applied clean architecture, using MVC principles and tools like Lombok to improve maintainability

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PROJECTS

Synergy – Modular Workflow Platform
- A centralized in-house tool for managing project workflows, employee information, task assignments, and internal communications across departments.

PettyCash – Internal Finance Management System
- Tracks and approves employee-submitted expenses with built-in features for budgeting, expense limits, and exportable financial reports.

Subscription Manager – Backend Service
- A backend microservice for managing recurring client subscriptions, handling payment logs, plan upgrades, cancellations, and automated renewal workflows.

LNA (Warehouse Manager)
- A warehouse and inventory control platform with support for stock tracking, supplier management, and fulfillment processing

Addiction Therapy Companion (Mobile App)
- An AI-powered application to support addiction recovery. Features include content filtering using CNNs, milestone tracking, personalized therapist contact, community chat, and a secure browser to restrict triggering content.

Eye Disease Prediction System
- Developed a machine learning-powered diagnostic tool that predicts common eye diseases (such as cataract, glaucoma, or diabetic retinopathy) from fundus images using a trained CNN model. Integrated into a user-friendly app interface for quick screenings.

INDUSTRIAL EXPERIENCE

Chrilan Technologies - Backend Developer   January 2025 - July 2025

- Designed and built RESTful APIs using Java and Spring Boot to support business-critical applications.
- Wrote custom SQL queries and managed database interactions, ensuring optimal performance and full control over data logic.
- Implemented complete CRUD operations for multiple modules, supporting role-based access and data validation.
- Applied clean code practices with MVC architecture and Lombok, improving readability, modularity, and maintainability.
- Contributed to the following key internal systems:
1. **Synergy** – A modular in-house platform used to manage project workflows, employee data, and departmental communication.
2. **PettyCash** – An internal finance system that tracks and approves employee expense submissions, with budgeting and reporting features.
3. **Subscription Manager** – A backend system for managing client subscriptions, including payment tracking, plan upgrades, and automated renewals.
4. **LNA (Warehouse Manager)** – A warehouse and inventory management system.

Notice Limited - Junior Developer (Intern)   July 2023 - Sept 2023

- Developed responsive user interfaces for a web-based event ticketing platform using React and Next.js, ensuring cross-device compatibility and modern UI design.
- Built and integrated RESTful APIs to manage ticket sales, event listings, and user data.
- Implemented database functionality to support event details, user accounts, and real-time ticket availability.
- Integrated secure authentication and authorization systems to manage admin and user access roles.
- Deployed full-stack applications using Vercel, participating in continuous testing and iteration with cross-functional teams.
- Explored and utilized advanced Next.js features such as dynamic routing, server-side rendering (SSR), and API routes to optimize performance and scalability.
- Gained hands-on experience in debugging, collaborating in code reviews, and contributing to a live product used for managing public and private event ticketing.

Konkola Copper Mines PLC (2022) – Intern   June 2022 - August 2022

- Provided technical support for hardware and software issues across departments, including desktops, printers, and network devices.
- Installed and configured operating systems on new machines, ensuring they met company standards and security protocols.
- Assisted in the deployment and maintenance of biometric attendance systems, including software setup and hardware troubleshooting.
- Performed routine diagnostics and maintenance on workstations, helping reduce downtime and improve system performance.
- Supported the IT team in asset inventory management and basic user training for newly installed systems and applications.
- Gained valuable exposure to enterprise IT operations and internal support workflows in a high-demand industrial environment.

REFERENCES

Mr. Mcclendon Mwape
- Project Manager - **CHRILAN TECHNOLOGIES**
- Phone number: +260 975827264

Mr. Patrick Mwenya
- Lecturer – **DMI ST.EUGENE UNIVERITY**
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