

Olivier Niyonshima

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PROFILE

I am an adaptable and innovative professional with 2+ years' experience in software development, AI solutions, and web development, excelling in collaboration, problem-solving, and delivering impactful, data-driven results.

SUMMARY OF QUALIFICATIONS

- Proficient in software development and AI solutions with 2+ years' experience in programming languages (Java, JavaScript, and Python).
- Skilled in web and database development, including HTML, CSS, React, PostgreSQL, MySQL, firebase and MongoDB.
- Strong interpersonal, leadership, and teamwork skills, demonstrated through managing diverse projects and collaborating with cross-functional teams.
- Certified in Google Cloud AI (2024) and a member of the Canadian Association of IT Professionals (CIPS).
- Adept at using Git, VSCode, Eclipse, and SQL Developer for efficient project execution.

EDUCATION

Algonquin College,

May 2024 – Present

Computer Programming and Analysis

- Private College Tutor for Object-Oriented Programming.
- Major in Software Development and Data Analysis.
- Selected Coursework: Object-Oriented Programming (Java), Database Management (SQL), Operating Systems (Windows/Linux), Web Programming (HTML, CSS, JavaScript, PHP).

PROJECTS

- **Medikal Healthcare Platform** **July 2024 – Present**
 - Developed an AI-powered chatbot for patient registration, treatment monitoring, and medication adherence to combat Antimicrobial Resistance (AMR).
- **EduStream Automation System** **October 2023 – January 2024**
 - Designed a platform using Python to auto-generate academic reports and student ID cards, with data stored in MS Access.
- **Customer Loyalty Card System** **December 2022 – March 2023**
 - Built a QR code-integrated loyalty system for CardX Ltd, enhancing customer retention rates.
- **Real-Time Engagement Dashboard** **July 2024 – Present**
 - Created a dashboard for Zuba House to track KPIs, boosting user retention by 10%.
- **Stock Management System** **February 2023 – June 2023**
 - Developed a system to optimize inventory tracking, reducing inefficiencies for CardX Ltd.
- **Church Website** **November 2024 – Present**
 - Launched a responsive website for New Covenant Bible Church to enhance online presence and accessibility.

PROFESSIONAL EXPERIENCE

ZeroX Tech (Medikal) CEO and Founder —Remote

July 2024 – Present

Ottawa, ON

- Founded ZeroX Tech to address critical challenges in Africa's tech ecosystem through tailored technology solutions.
- Spearheading the development of Medikal, an AI-powered healthcare platform selected by the Government of Rwanda for its potential to combat Antimicrobial Resistance (AMR) and improve healthcare delivery in underserved regions across Africa.
- Collaborating with healthcare professionals and technical experts to enhance patient care, treatment adherence, and workflows using AI tools.

Zuba House — Remote**Software Engineer and Data Analyst (Part-Time)**

July 2024 – Present

Gatineau, QC

- Monitored KPIs and trends to drive data-informed decisions, reducing inefficiencies by 15%.
- Developed a real time engagement dashboard, increasing user retention by 10%.
- Automated reporting processes, saving 4 hours weekly in data compilation.

Freelance Web Developer (Upwork) - Remote

November 2022 – Present

- Designed and built responsive websites and web applications for global clients, achieving a 5-star rating on over 20 projects.
- Specialized in front-end and back-end development using JavaScript, React, Node.js, and PostgreSQL.

CardX Ltd Junior Software Engineer

October 2022 – June 2023

Kigali, Rwanda

- Built an AI chatbot to enhance user interaction and a Customer Loyalty Card system with integrated QR codes, boosting customer retention rates.

Designed a Stock Management System to optimize inventory tracking.

CERTIFICATIONS, MEMBERSHIPS, AWARDS AND RECOMMENDATIONS

- **Innovating with Google Cloud Artificial Intelligence** (Udacity, in collaboration with Google Cloud and Accenture) Awarded: October 19, 2024
- Certified Member, **Canadian Association of IT Professionals (CIPS)** (2024 – Present)
- Winner, **KOICA Science Fair** (2023)
- 2nd Place, **East Africa Code Beyond Barriers Hackathon** (2023)
- Winner, **Pan African Mathematics Olympiad (PAMO)** (2022)
- Finalist, **Carrefour Umurezi Math Competition** (2021)