Jean Paul Elisa NIYOKWIZERWA

+250785044398 | niyokwizerwajeanpaulelisa@gmail.com | Gikondo – Kigali
LinkedIn | GitHub

PROFESSIONAL SUMMARY

Software Engineer with 4+ years of experience designing, developing, and deploying scalable web applications and backend systems. Skilled in **Node.js, Java/Spring, SQL, and modern web technologies**, with strong expertise in **system architecture, API design, and cloud deployment**. Experienced in **leading teams, conducting code reviews, and mentoring new engineers**, recognized for delivering innovative solutions that improve efficiency and user experience.

Education

Bachelor's Degree in Business Administration – Business Information Technology
University of Rwanda, Gikondo Campus — Expected June 2025

Experience

Chief Technology Officer
Global Real Estate Ltd, Kigali — Apr 2024 – Present

- Led the **architecture and deployment** of a digital real estate platform integrated with **external APIs** for land data, tax calculations, and loan status verification.

- Directed a team of engineers, conducting **code reviews, technical mentorship, and sprint planning** to ensure high-quality deliverables.

- Oversaw **DevOps practices**, including containerization and deployment to **Microsoft Azure**, improving system uptime and scalability.

- Collaborated cross-functionally to align technical solutions with business goals, ensuring platform compliance and reliability.

Software Engineer
Global Real Estate Ltd, Kigali — Jan 2024 – Oct 2024

- Designed and developed core platform features using **Node.js, PostgreSQL, and GraphQL**, enabling faster property search and secure transactions.

- Implemented **authentication and authorization systems**, enhancing platform security and user trust.

- Conducted **integration testing and debugging**, improving platform stability by reducing reported bugs by 30%.

- Partnered with product managers to deliver features aligned with customer needs and regulatory requirements.

Full-Stack Developer (Freelance)
Remote / On-site / Hybrid — Sep 2024

- Delivered end-to-end web applications for **local and international clients**, adapting to remote, on-site, and hybrid collaboration models.

- Developed full-stack solutions using **Node.js, Java, Python, React, SQL, and REST/GraphQL APIs**.

- Coordinated directly with clients to gather requirements, provide updates, and deliver solutions aligned with business needs.

- Ensured project delivery within deadlines while maintaining code quality and scalability standards.

Web Developer
Andela Rwanda (Remote) — Feb 2024 – Nov 2024

- Built and maintained responsive web applications using **React, Redux, and TypeScript**, improving user experience across devices.

- Collaborated in agile sprints, delivering features on schedule while maintaining high-quality code standards.

- Applied **automated testing** practices to ensure feature reliability and maintainability.

- Supported junior developers by reviewing code and sharing best practices, fostering a collaborative engineering culture.

Software Engineering
ALX Africa (Software Engineering Program) — Aug 2023 – Nov 2024

- Completed an intensive **software engineering curriculum** covering algorithms, system design, backend development, and DevOps.

- Built multiple projects in **Node.js, Python, and SQL**, applying real-world problem-solving skills.

- Collaborated in peer-programming and agile environments, improving teamwork and code quality.

- Gained strong foundations in **data structures, algorithms, and low-level programming (C/C++)**.

Backend Developer
Nkubito Development Business, Kigali — Mar 2022 – Jul 2023

- Designed and implemented backend services and APIs by using **Java and SQL**, supporting business applications.

- Improved database performance through optimization and schema design, reducing query time by 25%.

- Deployed applications and ensured uptime through monitoring and regular maintenance.

- Worked closely with front-end developers to deliver integrated solutions that met client requirements.

Skills

Languages & Frameworks: Node.js, Java/Spring, TypeScript, JavaScript, SQL, Python, C/C++
Web & Databases: React, GraphQL, REST, PostgreSQL, MongoDB
DevOps & Tools: Git, Docker, Azure, Jest, CI/CD pipelines, Kubernetes, use various code editors like Vim, VS Code, and PyCharm, and I work better on both Windows, Mac OS, and Linux systems
Core Strengths: System architecture, API design, testing (manual & automated), code reviews, team leadership, cross-functional collaboration.

Soft skills & Additional skills: Teamwork, Innovative and creative, Fast learner, Team Leadership, Product management, Technical Documentation, Tester, ML enthusiast, and Cybersecurity.

Certifications

- **Software Engineering** — ALX Africa (Nov 2024)

- **JavaScript Data Structures & Algorithms** — freeCodeCamp (2024)

- **Web Development** — Andela Rwanda (Nov 2024)

- **Foundations of User Experience Design** — Google (2023)

Awards & Recognitions & Volunteering

- **Software Engineer**, Pan-African Informatics Olympiad — Jan 2025

- **Top 10**, NISR Big Data Hackathon — 2024

- **Coach (Data Structures & Algorithms)**, Rwanda Informatics Olympiad — Feb 2024 – Present

- **Coach (Data Structures & Algorithms)**, Pan-African Informatics Olympiad — Apr 2025 – Present

- **Host Committee Member**, Pan-African Informatics Olympiad — 2025

Reference

- **CYUZUZO Remy**, Software Engineer @ Rhodes & Shwaz — 0783910300

- **Adolphe ISHIMWE**, CEO @ Global Real Estate — 0792491551

- **Joel Lee**, Senior Software Engineer @ Coach @ Pan-African Informatics Olympiad — +6587906128 *(Are you about to call him? Use **Ndevu** as my name. It is the one he sings when it comes to talking about me)*