

Herve Nkurikiyimfura

Senior Software Engineer

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Profile Summary

Experienced Full-Stack Software Engineer with 9 years of passion for technology and a dedicated focus on web and mobile software development. Committed to delivering innovative solutions that combine technical expertise with creative problem-solving. Proficient in a wide range of languages and technologies, excelling in agile environments.

Technical Skills

Frontend: React, Next.js, Vue.js, Angular, Flutter, React Native, HTML5, CSS3, SASS

Backend: Node.js (Express), Java (Spring Boot), Python (FastAPI), REST, GraphQL

Databases: PostgreSQL, MySQL, MongoDB, Firebase, Redis

Testing: Jest, RTL, Cypress, Playwright, JUnit, PyTest

Cloud & DevOps: Git, GitHub Actions, Docker, CI/CD pipelines, AWS

Design: Figma, FigJam, Design Systems, Accessibility (WCAG)

Architecture: OOP, Design Patterns, Microservices, Component-Based Architecture

GenAI: LLM-based coding assistants, prompt-driven development workflows

Highlights of Qualifications

- Bilingual: English and French
- Strong analytical and problem-solving skills
- Strong oral and written communication skills
- Excellent interpersonal skills and professional approach
- Experienced in Agile methodologies

Professional Experience

Frontend UX Developer

Jan 2024 – Present

SIA Innovations Inc — Montréal, Canada (On-site)

- Design and implement scalable, accessible, and production-ready UI using React, Next.js, TypeScript, Redux, and SASS.
- Build reusable components and UI patterns aligned with the Carbon Design System.
- Lead frontend architecture improvements focusing on maintainability, performance, and clean component structures.
- Collaborate with cross-functional teams to refine user flows, improve usability, and ensure consistent, high-quality user experiences.
- Design, implement, and manage containerized deployments using Docker and Kubernetes

Frontend Engineer
Pindo Ltd — Kigali, Rwanda (Remote)

Jun 2021 – Dec 2023

- Front-end implementation of Pindo apps using ReactJS and NextJS in Turborepo.
- Collaborate with UI/UX and backend teams.
- Use TypeScript to write typesafe, locally scoped classes, variables, and themes.
- Write unit tests and integration tests
- Use Storybook to build, test, and document UI components in isolation.
- Automate code deployment using Docker and GitHub actions.

Full-Stack Software Engineer
Keyring Inc — Seattle, United States (Remote)

Jan 2020 – Jul 2021

- Full-stack engineer for Keyring web app, Keyring chrome extension, and Chef mobile app.
- Integrated Stripe API for payments using NodeJS.
- Developed Keyring Chrome extension for streaming access using ReactJS.
- Implemented Chef mobile app in React Native, deployed to Apple TestFlight.
- Automatic deployment to AWS EC2 using GitHub Actions.

Associate Software Engineer
Andela Ltd — Kigali, Rwanda (On-site)

May 2019 – Apr 2020

- Integrated the Slack API to enable automated trip scheduling for the Tembea platform using Node.js, improving workflow efficiency for internal teams.
- Designed and implemented the UI/UX of the Tembea trip management web application using Angular, ensuring clarity, usability, and responsiveness.
- Optimized development workflows by collaborating closely with product, QA, and engineering teams to improve code quality, documentation standards, and engineering best practices.
- Conducted manual and automated testing to identify defects and maintain application reliability.
- Contributed to full-stack development across internal projects using ReactJS, PostgreSQL, Redis, and MongoDB, strengthening backend and frontend integration.

Web Developer
BICT Ltd — Kigali, Rwanda (On-site)

Oct 2017 – Apr 2019

- Built multiple web platforms using HTML5, CSS, JavaScript, PHP, Laravel and MySQL.
- Delivered end-to-end web solutions for NGOs and local organizations.
- Provided training to high school graduates in frontend development.

Education

Bachelor in Computer Software Engineering
University of Rwanda

2018