Hervé Nkurikiyimfura

Full-Stack Software Engineer

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PROFESSIONAL SUMMARY

Full-stack software engineer with 9 years of experience building full-stack web and mobile applications, APIs, and enterprise integrations. Hands-on experience with React, TypeScript, Node.js, Java/Spring Boot, PHP/Laravel, and TIBCO. Contributes across front-end and back-end development, automated testing, CI/CD, code reviews, and technical documentation.

Languages: English and French - fluent

CORE SKILLS

Front-end: React, Next.js, TypeScript, HTML5, CSS/SCSS, Tailwind CSS, Storybook, Figma

Back-end and APIs: Node.js, Express.js, Java, Spring Boot, PHP, Laravel, REST, SOAP, GraphQL

Integration: TIBCO BusinessWorks 6, TIBCO EMS/JMS, ActiveSpaces/DataGrid, API gateways

Databases: PostgreSQL, MySQL, SQL Server, MongoDB, Redis, Firebase, Firestore

Cloud and delivery: AWS, Docker, Kubernetes, Git, GitHub Actions, Azure DevOps

Testing and practices: Jest, React Testing Library, Cypress, Playwright, Agile/Scrum

PROFESSIONAL EXPERIENCE

Astek

February 2026 - Present

Full-Stack Software Developer / Integration Developer | *Montréal, Canada · Hybrid*

- Build web applications and back-end services with React, TypeScript, PHP/Laravel, and WordPress in Docker/Kubernetes environments.
- Develop REST APIs and SOAP services, configure API gateways, and implement data mapping and routing between enterprise platforms.
- Build enterprise integration and asynchronous messaging workflows using TIBCO BusinessWorks 6, EMS/JMS, and ActiveSpaces/DataGrid.
- Troubleshoot integration and runtime issues; contribute to testing, deployment, and technical documentation.

SIA Innovations Inc

January 2024 - December 2025

Front-End UX Developer | *Montréal, Canada*

- Developed customer portals, operational dashboards, and business workflows with React, Next.js, Node.js, TypeScript, REST, and GraphQL.
- Designed interfaces in Figma and translated prototypes into React applications.
- Collaborated with back-end teams on Java/Spring Boot REST API design, implementation, and integration.
- Optimized PostgreSQL data flows between services and interfaces to improve reliability and responsiveness.
- Deployed applications with Docker and Kubernetes; contributed automated tests, code reviews, mentoring, and documentation.

Pindo Ltd June 2021 - December 2023

Front-End Developer | *Kigali, Rwanda · Fully remote*

- Delivered React, Next.js, and TypeScript applications in a shared monorepo, integrating interfaces with REST and GraphQL services.
- Expanded automated test coverage with Jest, React Testing Library, Cypress, and Playwright.
- Supported CI/CD pipelines and deployments using Docker and GitHub Actions.

Keyring Inc May 2020 - June 2021

Full-Stack Software Developer | *Seattle, United States · Fully remote*

- Developed web and mobile applications with React, TypeScript, Node.js, Express.js, React Native, PostgreSQL, and Firebase.
- Implemented REST APIs, authentication workflows, and Stripe, PayPal, and Affirm payment integrations.
- Built a React-based Chrome extension providing access to streaming content.
- Designed Firebase/Firestore architecture for data modelling, real-time synchronization, notifications, and authentication.
- Prepared iOS releases and managed TestFlight distribution; built GitHub Actions pipelines to automate AWS deployments.

Andela Ltd May 2019 - April 2020

Associate Software Developer | *Kigali, Rwanda*

- Developed and improved enterprise user interfaces using React and Angular
- Delivered back-end and full-stack features with Node.js, Express.js, PostgreSQL, Redis, and MongoDB.
- Took an active part in Agile ceremonies, code reviews, and continuous improvement of engineering practices.
- Performed functional, integration, and end-to-end testing to improve release stability and quality.

BICT Ltd October 2017 - April 2019

Web Developer | *Kigali, Rwanda*

- Developed full-stack applications for local organizations with Node.js, Express.js, PHP/Laravel, React, and MySQL.
- Contributed to application architecture and front-end/back-end integration.
- Trained new graduates in front-end development practices.

EDUCATION

Bachelor's Degree in Computer Software Engineering 2018

University of Rwanda