

YANN VLADIMIR BAJENEZA

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PROFESSIONAL SUMMARY

Senior Software Developer and Project Manager with 10+ years of production software engineering experience, building, modernizing and supporting enterprises, government, education, document-management, e-commerce and AI-enabled systems. Strong hands-on experience with PHP, JavaScript/TypeScript, Vue.js, React, Java Spring Boot, Node.js, MySQL, PostgreSQL, MongoDB, REST APIs, Git and Docker. Experienced in legacy modernization, backend and frontend architecture, database design, integrations, secure development, complex business workflows, Agile/Scrum delivery, and AI-assisted and agentic development. Currently serving as Senior Software Developer at IST Africa, where the WinSchool modernization has been completed and I am contributing to Digital Signing within a shared company-wide platform initiative.

PROFESSIONAL EXPERIENCE

Senior Software Developer — IST Africa Ltd

May 2025 – Present | Kigali, Rwanda

- Completed the modernization of the WinSchool school management system using Vue.js and Java Spring, delivering modernized application workflows and platform functionality.
- Currently developing the Digital Signing project within the company's shared platform initiative, designed for reuse across multiple company projects.
- Design and implement backend and frontend features, REST APIs, integrations, database changes, and business workflows with emphasis on maintainability, security, reliability, and data integrity.
- Work with Git-based development workflows, Agile/Scrum practices, debugging, code reviews, issue analysis, and cross-functional collaboration.
- Use AI coding assistants and agentic development workflows for implementation, refactoring, analysis, documentation, and testing, with human review and validation of generated output.

Founder & Project Manager / Software Engineer — Creative Geeks / Tekafrika

Oct 2016 – Jul 2025 | Rwanda

- Led software delivery from requirements and architecture through development, deployment, support, and stakeholder coordination.
- Recently worked on Bika.rw, a document archiving and management platform, including backend services, APIs, database workflows, security-focused functionality, and user-facing features.
- Delivered SCHOOLBOX, an education management platform, plus e-commerce, ERP, and other business applications.
- Designed scalable backend services and relational database structures using PHP, JavaScript and MySQL/PostgreSQL.
- Managed technical teams, project execution, releases, troubleshooting, client communication, and continuous product improvement.

Information Technology Applications Specialist — Rwanda Development Board

Dec 2019 – Nov 2022 | Kigali, Rwanda

- Led development and support of mission-critical national digital systems, including the Beneficial Ownership Registry.
- Managed WIPOFILE-to-IPAS migration and system upgrades for the Intellectual Property Office.
- Worked on application availability, troubleshooting, integrations, system improvements, and operational reliability for high-impact government platforms.

- Applied secure development and data-management practices to systems handling sensitive business and registry information.

Web Manager — Rwanda Development Board

Mar 2017 – Dec 2019 | Kigali, Rwanda

- Redesigned and maintained RDB websites with focus on performance, responsiveness, accessibility, UX, and production reliability.
- Implemented CMS workflows and custom PHP/JavaScript modules and supported production web operations.

Junior Developer — Nugen Computer & IT Services

Feb 2014 – May 2016 | India

- Modernized legacy PHP/MVC applications and developed business applications using PHP, MySQLi, jQuery, JavaScript and MVC patterns.

TECHNICAL SKILLS

Programming Languages: PHP, JavaScript, TypeScript, Python, Java, C, C++, Dart, HTML5, CSS3, SQL, Bash

Frontend: Vue.js, React, JavaScript, TypeScript, jQuery, HTML/CSS, Bootstrap

Backend & Frameworks: Java Spring Boot, Node.js, PHP, REST APIs, MVC architecture

Mobile: Flutter, Dart

Databases: MySQL, PostgreSQL, MongoDB, SQLite, Oracle

AI & Data: LLMs, AI-assisted coding, agentic development, NLP, Whisper, Pandas, NumPy, Tableau, Power BI

DevOps & Engineering: Git, Docker, CI/CD concepts, Composer, npm, Jira, Trello, code review, debugging

Architecture & Practices: API integration, database design, legacy modernization, secure development, data integrity, auditability, Agile/Scrum

KEY PROJECTS

Digital Signing Platform — IST Africa — Current

- Enterprise digital-signing capability being developed as part of the shared company platform for reuse across projects.

WinSchool School Management System — IST Africa — Completed

- Modernized school management platform using Vue.js and Java Spring.

Bika.rw — Document Archiving Platform — Creative Geeks / Tekafrika — Recent

- Document/file archiving and management system with web workflows, backend services, database operations, and security-focused functionality.

Real-Time Kinyarwanda-English Translation & Auto-Captioning System— Carnegie Mellon University

- AI/NLP project focused on real-time speech processing, Kinyarwanda-English translation, and automatic caption generation. Demonstrates practical experience applying speech and AI technologies to language-specific challenges, real-time processing, and user-facing intelligent applications.

Beneficial Ownership Registry — Rwanda Development Board

- National digital registry supporting business ownership information and operational workflows.

WIPOFILE → IPAS Migration — Rwanda Development Board

- Migration and modernization work for the Intellectual Property Office.

FanaFootball — Tekafrika

- Fantasy football platform with a large user base in Rwanda.

SCHOOLBOX — Creative Geeks / Tekafrika

- School management and education administration platform.

EDUCATION

- **Master of Science in Information Technology** — Carnegie Mellon University Africa (2023–2025)
- **Master of Science in Project Management** — University of Kigali (2021–2022)
- **Bachelor of Computer Applications** — Lovely Professional University, India (2013–2016)

ACHIEVEMENTS

- Hanga pitch runner-up (Fanafootball project) — Project competition organized by the Ministry of ICT (2022)
- RDB Award — Outstanding Commitment to Quality Service (2018)
- IT Project Competition Winner — CT Group of Technology, India (2016)

LANGUAGES

- English
- French
- Kinyarwanda