

Ivan Yannick NGAHA TCHOUMI

Software Engineer | Core Banking Systems

Full-Stack Development • Software Architecture • Integration • Data • QA/DevOps

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PROFESSIONAL SUMMARY

Software Engineer with 5 years of Full-Stack experience, including critical banking systems (Core Banking, Internet Banking) at Afriland First Bank — designed the double-validation module for shared-account transactions and optimized critical queries for system stability. Also architected the DOT Services platform (monorepo, Next.js, GraphQL, TurboRepo), structuring the team's development workflow. Skilled in Java/Spring Boot, React, Next.js, TypeScript, REST/GraphQL APIs, and relational databases (PostgreSQL, MySQL, MS SQL Server), with strong cross-functional collaboration in Agile teams.

KEY SKILLS

Banking Environments — Core Banking, Internet Banking, Cash Desk / Teller operations, transaction approval workflows, double validation for shared accounts

Software Architecture — Scalable architecture design, monorepo structuring, structuring technical decisions, supporting team scale-up

Development & Integration — React / React Native / Next.js , Java (Spring Boot), TypeScript/JavaScript, Python (Django REST Framework), REST & GraphQL API design

Data & Databases — PostgreSQL, MySQL, MS SQL Server — data modeling, query and schema optimization

Security & RBAC — User, role and permission management, application security

Production & Operations — Application support, incident resolution, uptime monitoring, maintenance

DevOps — Docker, Kubernetes/Helm, CI/CD (GitHub Actions, GitLab CI), Git Flow

Testing & Quality — Unit testing (Jest), User Acceptance Testing (UAT)

Methodology — Agile, cross-functional collaboration with QA, Backend and Product teams

PROFESSIONAL EXPERIENCE

Software Engineer — DOT Services Canada (Remote)

Jun 2025 – Jun 2026 • Part-time (Jun 2025 – Feb 2026), then Full-time (Feb 2026 – Jun 2026)

Yaoundé / Remote — Management platform for RPN associations (diaspora solidarity and provident funds)

- Designed and set up the platform's scalable architecture (monorepo, Next.js, TypeScript, TurboRepo), structuring the codebase to support team scale-up and streamline onboarding of new developers.
- Integrated type-safe GraphQL APIs (Apollo, GraphQL Code Generator) ensuring end-to-end data reliability.
- Containerized the application (Docker) and deployed via Kubernetes/Helm, with CI/CD pipelines across QA and Production environments.
- Transitioned to a full-time role after leaving Afriland First Bank, taking on broader ownership of the architecture and technical direction of the project.
- Collaborated under an Agile methodology with Backend, QA and Product teams (Git Flow, code reviews, pull requests).
- Reviewed team members Code quality and implemented AI tools to enhance review according to best practices and patterns

Software Engineer CBS — Research Center, Afriland First Bank

September 2024 – February 2026

Yaoundé — Critical banking infrastructure (back-office and customer-facing applications, Core Banking & Internet Banking)

- Designed and developed the double-validation module for shared-account transactions (Internet Banking), strengthening the security and compliance of banking operations.

- Optimized application performance and SQL queries for the transaction module, improving reliability and processing times in a critical production environment.
- Contributed to the reliability, security and performance of the Core Banking infrastructure through continuous code optimization and maintenance.
- Developed Cash Desk / Teller operations and secure financial processing workflows (Next.js).
- Designed a user, role and permission (RBAC) management system enforcing strict security rules across the Internet Banking and Core Banking platforms.
- Developed a transfer-slip management system, optimizing data flow and document tracking.
- Worked closely with QA and Product teams to resolve complex banking issues, contributing to 99.9% system stability.

Software Developer — MK-WBC (World Business Corporation)

August 2022 – April 2024

Douala — Fintech products (business platform, student app, job-search solution)

- Converted the company's business management web platform into a React Native mobile application, expanding service accessibility.
- Developed and maintained backend services with Java Spring Boot and Symfony (REST APIs, business logic).
- Migrated relational data from MySQL to PostgreSQL, optimizing performance through indexing and schema optimization.
- Contributed to the complete redesign of the MK-BID platform (React, TypeScript).
- Synchronized mobile/web frontends with the backend, managing data flow and API versioning.

PROJECTS

Me2U Transit — Trusted Third-Party Platform for Buyer/Seller Transactions

January 2025 – July 2026 · Personal project

- Built the frontend for a trusted third-party escrow application connecting sellers and buyers in Cameroon, securing package handoffs and payments to prevent online scams.
- Architected the project as a monorepo (Turborepo) housing a client-facing PWA in Next.js alongside a separate admin dashboard, also in Next.js, sharing common components and some logic.
- Implemented core user flows (package submission, transaction tracking, secure handoff) along with moderation tools for the admin team.

LinkedIT Deal — Online Sales Application for GLC & High Tech Corps

Late 2021 – June 2022 · Freelance project

- Designed and developed an online sales web application for two IT companies (GLC and High Tech Corps), enabling them to display and manage their product catalog.
- Implemented product showcase and purchase flows for customers of both companies.
- Owned the project end-to-end, from design through to production deployment.

EDUCATION

Bachelor's Degree (Licence Technologique) — Computer Engineering · Nov 2020 – Jul 2021

IUT Fotso Victor, Bandjoun

Higher Technician Certificate (BTS) — Management Information Systems · Oct 2018 – Jul 2020

Institut Supérieur de Management (ISMA)

LANGUAGES

French — Native English — Fluent, professional