

PERRIN NJIETCHE

Software Engineer | Payments & Banking Systems | DevOps | Process Automation
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PROFESSIONAL SUMMARY

Results-driven Software Engineer with over **5+ years** of experience architecting **end-to-end Payment Hub solutions**, **Core Banking integrations**, and **workflow automation** for financial institutions. Expert in full payment processing lifecycle: *Routing, Settlement, Clearing, FX, and STP*. Deployed production systems on **RKE2 Kubernetes** with Helm charts. Integrated **GIMAC** and **Montran** for cross-border payments. Built **JavaFX desktop applications** and **Flutter mobile apps**. *Camunda Certified Developer, DevOps Certified, and Camunda Cameroon Chapter Lead*. Open to relocation with visa sponsorship.

TECHNICAL SKILLS

Languages: Java (17/21/24), Dart, Python, SQL, JavaScript, TypeScript, NodeJS, HTML/CSS

Backend: Spring Boot, Spring Security, Spring Data JPA, GraphQL, REST APIs, gRPC, OAuth 2.0, JWT, Keycloak, Odoo, Firebase, GenKit

Payments: ISO 8583, SWIFT MT/MX, ISO 20022, Payment Hub, Core Banking, STP, Routing, Settlement, Clearing, FX, Warehousing, GIMAC, Montran

Workflow & Data: Camunda 8, Zeebe, BPMN 2.0, DMN, Drools, Talend OS, Power BI, ETL Pipelines, n8n

DevOps: Docker, Kubernetes, RKE2, Helm Charts, GitHub Actions, GitLab CI/CD, Jenkins, Docker Swarm, Hetzner Cloud, Azure, Ansible, Act

Desktop & Mobile: JavaFX, Flutter, Firebase, Provider, Bloc Pattern, SQLite, Material Design

Databases & Testing: PostgreSQL, MongoDB, Redis, jOOQ, Liquibase | JUnit 5, Mockito, TestContainers, TDD

PROFESSIONAL EXPERIENCE

Software Engineer & Business Analyst

[PKFokam Research Center](#) | Yaounde, Cameroon

July 2023 - Present

- Engineered end-to-end **Payment Hub** processing engine handling **Acceptance, Mapping, Weight Assignment, Direction/Product Determination**, and **Routing** for 50,000+ daily transactions across multiple payment channels
- Implemented comprehensive validation layer including **Codeword & SLA Determination, Client/Bank Conditions, Duplicate Checks, Filtering**, reducing transaction errors by 35% and ensuring regulatory compliance
- Developed **Payment Repair, Warehousing, FX Processing, Fees Calculation, Payment Generation** modules enabling **STP (Straight-Through Processing)** with 15% improvement in payment success rates
- Built **Settlement, Clearing, R-Processing** workflows supporting **Bulk Payments, Intra-Bank Transfers, Direct Debit, Credit Transfer** instruments with 99.9% reconciliation accuracy
- Integrated **Montran** for RTGS/ACH connectivity and **GIMAC** (Interbank Electronic Banking Group) in SARA mobile app, enabling cross-border payments across CEMAC region
- Deployed Payment Hub on **RKE2 Kubernetes** cluster with **Helm charts**, implementing blue-green deployments and reducing deployment failures by 40%
- Led team of 5 developers implementing event-driven workflows with **Camunda 8 and Zeebe**, automating loan origination and KYC processes, improving operational productivity by 25%
- Executed **zero-downtime Big Bang migration** of 100,000+ mobile banking users and 5TB of data using **Talend OS** ETL pipelines, achieving 99.9% data integrity
- Implemented **simple** and **bulk transfer workflows** with comprehensive validation for corporate accounts, sub-users, and main users, greatly improving governance, security, and authorization control within the **Internet Banking** platform.

Software Engineer

[GlobalMap&Lumia](#) | Cameroon

Aug 2021 - Dec 2024

- Built fullstack **desktop application** using **JavaFX and Java** for **drone systems management**, enabling real-time fleet monitoring, mission planning, and telemetry visualization
- Designed modular architecture using **MVC pattern**, custom UI components, and database integration.

Lead Software Engineer

[SAHT African Technology](#) | Yaounde, Cameroon

July 2022 - September 2023

- Led cross-functional team of 5 developers building **BUS reservation mobile app** using **Flutter and Firebase**, delivering MVP within 6-months timeline to 10,000+ users

- Improved team productivity by 25% through **Agile methodologies**, SOLID principles, and systematic code reviews; mentored 3 junior developers on **TDD and clean architecture**

Software Engineer Intern

[Elios Consulting](#) | Yaounde, Cameroon

May 2021 - December 2021

- Developed **house rent management system** using **Flutter and SQLite**, reducing payment processing time by 60% for property management clients
- Implemented **offline-first architecture** with data synchronization, achieving 80%+ code coverage using **OOP design patterns**

PROJECTS

Imara | Investment Platform for Central Africa

Spring Boot, React, Stripe, Broker API Integration, OAuth 2.0, PostgreSQL, KYC/AML

- Building **first-of-its-kind investment platform** enabling Central Africans to invest in **US stocks through licensed brokers**, bridging capital markets gap in CEMAC region
- Integrating **broker APIs, KYC/AML compliance workflows**, currency conversion (XAF to USD), and secure payment processing with regulatory compliance

me2u-transit | Secure Remote Transaction Platform

Camunda 8, Zeebe, Spring Boot, Kubernetes, Helm, GitHub Actions, Hetzner Cloud, Flutter, Keycloak

- Building trust-driven transaction platform with Spring boot 4 and **Kafka** for **message queues**, deployed on **Hetzner Cloud** for cost-effective scalability
- Established complete **CI/CD pipeline with GitHub Actions and Helm charts**; created DevOps infrastructure repository with reusable templates for Spring Boot microservices

Iwork | Job Search Platform

Spring Boot, Spring AI, GraphQL, Azure, Docker, Spring Security, Microservices

- Developed full-stack job matching platform using **Spring Boot and Spring AI**, achieving 75% performance improvement by deploying containerized microservices on **Azure**

E-Learning Platform | Anti-Cheating System

Spring Boot, Flutter, Jenkins, Docker, Machine Learning, flutter_sensor_plus

- Built **anti-cheating Flutter app** using **ML and device sensors** to detect cheating attempts, reducing incidents by 50% at University of Yaounde I; implemented **CI/CD with Jenkins**

EDUCATION

Bachelor of Science, Computer Science

University of Yaounde I | GPA: 3.21/4.0

June 2023

Relevant Coursework: Advanced Algorithm Design, Software Engineering, Computer Networks, Operating Systems, Business Intelligence, Quality Assurance

CERTIFICATIONS

- Camunda [Certified Developer](#) - Process automation, BPMN 2.0, workflow orchestration
- Camunda [Low Code Developer](#) - Forms, Connectors, process applications
- DevOps Certified ([Eazy Training](#)) - GitLab CI/CD, Docker, Docker Swarm, containerization
- Oracle Cloud Infrastructure AI Foundations ([OCI-AI](#)) - Machine learning, AI services
- Sololearn [Certifications](#) – C, Java, SQL, and Project Planning with AI

LEADERSHIP & COMMUNITY

- Camunda Yaounde [Chapter Lead](#) - Organizing meetups, workshops, and training sessions on BPMN 2.0, DMN, and process automation best practices
- **Technical Writer** ([Medium](#)) - Publishing technical articles on Spring Boot, Camunda, DevOps practices, and payment systems integration
- **Open Source Contributor** - Contributing to fintech and workflow automation projects; maintaining public repositories on GitHub