Isaac Njoroge

Full-Stack Software Developer | Java, Spring Boot, React, Next.js, TypeScript

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linkedin.com/in/isaac-njoroge-aabb6b34a | *Open to Remote / Global Opportunities*

PROFESSIONAL SUMMARY

Full-stack software developer with 4+ years of professional experience building production software. Spent 4+ years as a backend engineer, first as a freelance full-stack engineer building client systems and then at SilverBirch on Java 17 and Spring Boot 3 microservices, REST APIs and CI/CD pipelines for enterprise platforms, and now builds both the backend and the frontend with React, Next.js, TypeScript and Tailwind CSS. Owns features end to end, from database migration to tested, accessible UI, in remote, cross-time-zone teams.

TECHNICAL SKILLS

Languages: Java 17/21, TypeScript, JavaScript, Kotlin, Python, SQL, PHP, Go

Frontend: React 19, Next.js, React Router, Tailwind CSS, Vite, Zustand, TanStack Query, Framer Motion, HTML5, CSS3, accessibility, SEO

Backend: Spring Boot 3, Spring Security, REST APIs, microservices, Kafka, WebSockets, JWT, Stripe, FastAPI

Databases: PostgreSQL, MySQL, Redis, TimescaleDB, Liquibase

Cloud & DevOps: AWS (EC2, S3, Cognito, CloudWatch, Amplify), Docker, GitHub Actions, Vercel, Sentry

Testing: JUnit, Mockito, Jest, Testing Library, Postman, TDD, code review

PROFESSIONAL EXPERIENCE

SilverBirch Studios | Remote | Full-time

Software Developer, Full-Stack *Oct 2026 - Present*

- Build production web interfaces for LiveScene, a live music and comedy discovery platform: a public Next.js 15 site and a React Router v7 admin dashboard using React 19, TypeScript and Tailwind CSS v4.
- Shipped the full web authentication flow (sign-in, signup with username checks, email verification, password reset, Google sign-in) and a reusable component library built from Figma design tokens.
- Delivered server-rendered, SEO-friendly public artist pages with permanent redirects, plus staff admin pages for creating and editing shows.
- Test with Jest and Testing Library, with lint, type checks and tests enforced in GitHub Actions on every PR; own features from the Spring Boot endpoint to the React screen that consumes it.

Software Developer, Backend *Apr 2024 - Sep 2026*

- Built the backend of DocNote's finance dashboard, used by medical institutions, covering revenue, claims, billing, payouts and balances across multiple currencies, and helped integrate Stripe as the payment gateway.
- Fixed authorization flaws in a healthcare insurance platform with RBAC on every endpoint, custom permission evaluators and per-role security tests; added a default-deny authorization guard enforced by an ArchUnit test.

- Solely designed and implemented Redis caching across the company's projects and microservices, improving response times; built Java 17/Spring Boot 3 services with wishlist and calendar APIs, RFC 5545 scheduling, signed-URL downloads, the VOC case-file ETL and scheduled jobs.
- Fixed a CoLab reconciliation job whose drift detection missed changes and showed a permanent false out-of-sync signal, and added retries and full rollback around Cognito user creation so a partial failure never leaves a half-created account.
- Reduced the CoLab integration test suite runtime by 93% (30+ min to ~2 min) by removing @DirtiesContext, enabling parallel execution and using locally generated JWTs; applied the pattern across other platforms.
- Built CI/CD pipelines (GitHub Actions, CodeRabbit); authored Liquibase migrations, resolved production migration failures, and fixed bugs with Sentry and CloudWatch; reviewed teammates' PRs.

Freelance | Remote | Contract

Full-Stack Software Developer (External Contractor) *Sep 2022 - Mar 2024*

- Designed and built frontend and backend systems for multiple clients as an external contractor, working on an hourly basis to help client teams build out their platforms.
- Built complete applications on my own for fixed-price engagements, then handed them over to the clients' internal teams to run and maintain.
- Managed each project from requirements through deployment and handoff, applying RESTful API design, relational data modeling and frontend integration.

NOTABLE PROJECTS

- **Tradie:** Trading platform of Java 21/Spring Boot microservices over Kafka with Python/FastAPI FinBERT sentiment, HMM regime detection and Monte Carlo backtesting; places bracket orders via Interactive Brokers TWS and a MetaTrader 5 bridge with risk controls.
- **Tradie-Lite:** Rule-based EUR/USD scalping workflow with a custom TradingView Pine Script indicator and an LLM-run pre-trade validation gate, connected to TradingView and MetaTrader 5 through MCP servers.
- **TaskFlow:** Spring Boot 3.4 REST API with JWT security, MySQL/Liquibase and STOMP WebSocket updates; React 19, TypeScript, Vite, Tailwind and Zustand frontend.
- **Happyland Gardens:** Live Next.js 16 and Tailwind CSS 4 event venue site (happyland-gardens-web.vercel.app) with a booking modal, JSON-LD/Open Graph SEO and CI checks, deployed on Vercel.
- **Kilimo Bora Connect:** Kotlin and Jetpack Compose (Material 3) Android app for farmers with market prices, weather advisories and a validated produce listing flow.
- **Static:** Roblox co-op horror game in Luau (in development): server-authoritative design, 50-player hub with 4-player runs, strict-typed toolchain and CI.

EDUCATION

B.Sc. Applied Computing, KCA University *2025*

Diploma in ICT, Pan African Christian University *2023*