

Daniel Nakitare

Senior Software Engineer | MBA | Combat Veteran

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SUMMARY

Senior backend engineer with 7+ years building the integration and data infrastructure that healthcare and other regulated SaaS products depend on. Deep in PHP/Laravel, MySQL/PostgreSQL, and AWS. I own EHR integrations across 9+ platforms (Epic, PointClickCare, MatrixCare), built an enterprise PDF/OCR extraction pipeline for hundreds of facilities, and restored 99%+ data integrity by resolving a 4-year backlog of 27,000+ failed EHR uploads. On the side I ship independent products, including Imara (npm) and PhotoPare (App Store). MBA, combat veteran, and a part owner of a working farm in Kenya since 2008.

TECHNICAL SKILLS

Languages: PHP, TypeScript, Python, SQL, Swift, Go

Frameworks: Laravel, Vue.js, Node.js, SwiftUI

Databases: PostgreSQL, MySQL, Redis, SQLite

Infrastructure: AWS, Terraform, Docker, Nginx, Linux, SSH, SFTP

Practices: REST API design, EHR/HL7 integrations, OAuth2/RBAC, CI/CD, PHPUnit, ETL, OCR/PDF processing, HIPAA-grade data handling, AI/LLM integration

EXPERIENCE

Senior Software Engineer, Carefeed

Jun 2025 – Present | Remote

Own all EHR integrations across 9+ platforms (Epic, PointClickCare, MatrixCare), architecting the secure data-exchange and webhook infrastructure behind patient and facility synchronization for a healthcare communications platform.

- Restored data integrity to 99%+ reliability by resolving a 4-year backlog of 27,000+ failed EHR uploads: fixed the underlying data-integrity bug and shipped cleanup tooling to restore production state
- Built an end-to-end PDF/OCR processing pipeline (container hardening with Ghostscript and Tesseract, content-detection pipeline, EHR-vendor-specific parsers with comprehensive test infrastructure, S3 storage integration), automating invoice handling for hundreds of healthcare facilities
- Led foundation and key components of a multi-quarter SFTP ingestion modernization across 20+ payroll systems: connectivity foundation, generic CSV parser with mapping registry, file-discovery infrastructure, and Terraform-managed SQS queue infrastructure with DLQ pairs
- Drove a multi-quarter identity and SSO platform consolidation (OAuth2 callbacks, session handling, external identity-provider integration, JIT provisioning rewrite) with defense-in-depth hardening: signature-verified webhooks, JWT issuer validation, and cross-org isolation guards
- Root-caused P1 production incidents across identity sync, payments, and EHR data flows; converted a single support report into a quantified systemic finding (700+ affected residents from a feature that had never worked for one EHR's discharge events) and filed the systemic fixes
- Built a reusable HIPAA-grade audit logging service for compliance evidence
- Authored the team's standards for LLM-assisted coding and drove AI-forward automation across integration workflows

nQ Zebraworks

Senior Engineer, Aug 2024 – Jun 2025 · Software Engineer, Jul 2021 – May 2023 | Remote

Returned to own the DataQ product's API infrastructure end to end, a data integration platform for law firms handling sensitive conflict-of-interest data: built the REST API layer with OAuth2 and RBAC for legal-sector compliance, and led API specification and cross-functional delivery across product, QA, and operations. In the earlier tenure, architected the backend of the company's business-intelligence dashboard, cutting data-aggregation time 75% through MySQL query optimization, Redis caching, and Laravel deferred job queues. Mentored junior developers across both.

Full Stack Engineer, Sensible Care

Jun 2023 – Apr 2024 | Remote

Full-stack engineer on a behavioral-health SaaS platform (Laravel/Vue). Automated medical referral processing with Tesseract OCR, integrated insurance-validation and payment APIs, and migrated the billing system off a legacy codebase into a modern Laravel monolith.

Earlier Experience

2019 – 2021 | Remote

Software Engineer at Buckeye Interactive and boomtime. Shipped client-facing APIs, integrations, and AWS infrastructure across multiple agency engagements; introduced the teams' first structured unit-test coverage. Node.js work included a scheduled court-record scraper behind a criminal record-sealing platform, distributed across authorized parallel workers to sustain throughput.

ADDITIONAL EXPERIENCE

11B Infantryman, U.S. Army, 101st Airborne Division

2011 – 2014 | Fort Campbell, KY / Afghanistan

Combat Infantry Badge, Purple Heart, Afghanistan deployment. Made rapid, high-consequence decisions under fire; trained 200+ personnel and managed \$2M+ in equipment.

Part Owner, Crescent Springs Ltd (2008–Present) · Trustee, Irving Foundation (2008–2018)

Part owner of an agricultural business in Trans-Nzoia County, Kenya (400 acres in the country's breadbasket region) since 2008. Ran it hands-on for its first decade; now set strategic direction with management running day-to-day operations. Also served as a board trustee for the Irving Foundation, directing grant and fiduciary decisions (hundreds of thousands of dollars over the decade).

EDUCATION

Master of Business Administration (MBA) | Temple University, Fox School of Business Innovation Management & Strategy

Bachelor of Arts | Pomona College Politics & Economics

SELECTED PROJECTS

Marlow: Medicare DME/RPM fraud-network detection engine. Runs end to end over real public CMS data to surface candidate fraud networks as evidence-backed case dossiers via statistical outlier detection and reassignment-network clustering. Python, 48 tests. Outputs are leads for human review, not proof.

Imara: AI agent governance platform, published on npm. MCP proxy that intercepts tool calls, enforces YAML policies, and produces SHA-256 hash-chained audit trails. TypeScript monorepo (6 packages), 88 tests, CI green. github.com/Dnakitare

Castellan: Delegated-authority substrate for local AI agents (personal POC). Built an evaluation harness for its two refusal surfaces: a deterministic authority broker at 0% false-grant across a 25-case policy taxonomy (wired as a CI gate), and a model confidence gate whose 40% false-act rate on adversarial inputs a hardened prompt cut to 20%. Python, FastAPI, Qdrant, llama.cpp. github.com/Dnakitare/castellan-notes

PhotoPare: Privacy-first photo-library cleanup, shipped to the App Store (2026) with a StoreKit 2 in-app purchase. On-device duplicate detection (SHA256 plus a 256-bit perceptual hash), Laplacian-variance blur, and screenshot detection. Rust/Tauri, Svelte, Swift/PhotoKit bridge. No backend, no analytics.