

ERICK WARUI

Senior Software Engineer | Full-Stack, Backend, Mobile

Nairobi, Kenya | Remote worldwide

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SUMMARY

Senior software engineer with 8+ years shipping production web, mobile, and API systems. I build Laravel and ASP.NET Core backends, React Native and Kotlin apps, and AI features (OpenAI Realtime, Gemini, OCR) that run in live operations, including physical gate hardware. I look for remote full-stack, backend, mobile, .NET, or Laravel roles where the work is shipping reliable software for everyday operational problems.

SKILLS

Backend: PHP / Laravel, C# / ASP.NET Core, Node.js, REST APIs, JWT, Laravel Passport (OAuth2), Swagger

Frontend: TypeScript, JavaScript, React, Angular, Vue, HTML, CSS, Tailwind, Alpine.js

Mobile: React Native (Expo), Kotlin / Jetpack Compose, Capacitor

Data: SQL Server, MySQL, PostgreSQL, Firestore, Elasticsearch, EF Core, Dapper

AI: OpenAI Realtime API, Google Gemini, OCR, voice agents, MQTT / AutoGate integrations

Cloud and DevOps: Linux, Docker, CI/CD, Azure (Key Vault, Service Bus, IoT), AWS, DigitalOcean, Firebase, cPanel

Other: RabbitMQ, MQTT, Twilio, SendGrid, M-Pesa, PHPUnit and production test suites

EXPERIENCE

Several engagements below ran in parallel as independent contracts, not as simultaneous full-time jobs.

Asteriks Softwares

Apr 2021 – Aug 2026

Backend and AI Engineer (contract) | On-call for production maintenance

- Developed the community management backend in ASP.NET Core (.NET 6) as part of a team: JWT APIs, Swagger, EF Core and Dapper on SQL Server, plus Azure Key Vault, Service Bus, IoT Hub, RabbitMQ, Twilio, SendGrid, Quartz jobs, and Sentry.
- Shipped resident, guard, and visitor workflows (approvals, alerts over app, SMS, email, and voice) and ID pipelines: driving-license OCR, SmartId, and Neurotechnology biometric visitor screening.
- Delivered Asterix AI Guard in production at physical gates: OpenAI Realtime voice, MQTT AutoGate events (face, plate, vehicle), unit lookup, and resident auto-authorization.
- Integrated AI and visitor flows into the React Native / Expo residents app against staging and production community APIs.

Ratibo

Feb 2021 – Present

Systems Developer (contract)

- Built the Ratibo restaurant and business platform (orders, check-in, locations, Laravel Passport APIs, Vue, Firebase notifications).
- Since Apr 2026, building MDFRS, an AI media intelligence product (ingest, OpenAI analysis, dashboards, scheduled jobs, Telegram alerting on Linux / cPanel), and the MCK Digital Compliance Monitoring Platform.

AgapeTech Enterprise

Aug 2024 – Present

Full-Stack Developer (contract) | Ongoing production maintenance

- Built and maintain the field operations web app (Laravel, Passport, Vue, M-Pesa) used in production by field teams for customers, documents, and ISP / network workflows.
- Keep web and mobile clients integrated with the backend and support the live system.

Szygy Consultancy Ltd.

Oct 2024 – Dec 2024

Full-Stack Developer (contract)

- Delivered a multi-tenant Laravel and Vue petro / SaaS platform used by more than 15 companies, including finance and CRM modules.

Stabex International and IUEA (same client)

Mar 2023 – Jul 2024

Full-Stack Developer (contract)

- Shipped the Stabex Kenya fuel and LPG sales portal (Laravel, Microsoft 365 ERP), still in production.
- Shipped the IUEA student finance portal (Laravel, ERP), still in production.

Brainverse Technologies

Aug 2020 – Jul 2022

Systems Development Lead

- Led a team of about 5 delivering 20+ client systems in PHP, CodeIgniter, Laravel, and WordPress (mix of my builds and team builds).
- Handled Linux hosting, deployments, and client delivery for the systems development function.

Softballot

May 2015 – Sep 2025

Co-Founder and CTO

- Designed and ran an online voting platform across multiple election cycles: full-stack application, database, and election-day operations support.

SELECTED PRODUCTS

- ES-AI CRM WorkSuite (own product): Full Laravel HR, CRM, tickets, and project workspace.
<https://erickwarui28.github.io/op-crm/>
- PesaDiary (Google Play): Kotlin / Jetpack Compose Android app that turns M-Pesa SMS into on-device spending insights with no server upload. <https://play.google.com/store/apps/details?id=com.pesainsights.app>
- WWJD Reflections (Google Play): React Native (Expo), TypeScript, Firebase, and Gemini for voice and text guidance.
<https://play.google.com/store/apps/details?id=com.wwjdai.app>
- APISense (portfolio demo): Laravel 12, Elasticsearch, Tailwind, Alpine.js, and Gemini for natural-language API discovery. <https://github.com/erickwarui28/apisense>
- OverPowered To-Do: React, TypeScript, Vite, Firebase, and Capacitor with Google sign-in and 2FA.
<https://erickwarui28.github.io/es-todo/>
- AgapeTech Field App (production): Laravel field operations with M-Pesa.

EDUCATION

Dedan Kimathi University of Technology

2013 – 2017

B.Sc. Information Technology, Second Class Honors

LANGUAGES

English, Swahili, and Kikuyu: fluent (spoken and written).