

EUGENE KIPCHIRCHIR KOECH

+254 708 676 540 eugenekoech9@gmail.com LinkedIn GitHub Portfolio

Education

African Leadership University

BSc in Software Engineering, concentration in Machine Learning & AI

Kigali, Rwanda

Sep 2024 – Jul 2027 (Expected)

Moringa School

Certificate in Software Engineering

Nairobi, Kenya

Dec 2023 – Aug 2024

Work Experience

GetPayd Technologies

Frontend & Mobile Developer

Nairobi, Kenya

Jan 2026 – Present

- Build and maintain Payd's **Vue 3** fintech **PWA** (wallets, payment links, invoices, virtual accounts, merchant and cross-border payments) on a reusable **Composition API**, **Pinia**, and **TanStack Query** layer of shared composables for balances, exchange rates, fees, and transaction workflows.
- Ship end-to-end money-movement flows for **deposits**, **withdrawals**, **Payd-to-Payd transfers**, **mobile money**, **bank transfers**, and **cross-border payouts** with dynamic currency and payment-channel handling.
- Harden authentication across multiple API clients (**OTP verification**, route guards, token refresh) and improve reliability with offline detection, service-disruption banners, version checks, and pull-to-refresh.
- Evaluated **Expo / React Native** against **Flutter**, then became lead engineer (80%+ of commits) on Payd's new **Expo** iOS and Android app, which replaces the legacy Flutter app at full feature parity with the web product.
- Built the mobile auth and security model: phone OTP sign-up, password + OTP sign-in, tokens in **SecureStore**, **biometric** re-authentication with auto-lock, and refresh-token renewal enforced by **Expo Router** guards.
- Wired **PostHog** analytics and remote flags to toggle maintenance modes and per-country service-disruption banners live without a new build, and wrote a **Kotlin** Expo native module for saving receipts to Downloads.
- Maintain quality with **Zustand**, **TanStack Query**, **react-hook-form** + **Zod** validated forms, and **295 Jest tests**, with typecheck, lint, and format gates on every pull request.

Cybasoft

Full-Stack Developer

Elkridge, MD (Remote)

Oct 2024 – Oct 2025

- Contributed to **Planrr**, a mobile-first personal contributions and shared-expenses app built with **Expo** and **React Native**.
- Built and maintained user-facing features for financial activity and account workflows, keeping client state in sync with backend data.
- Implemented **GraphQL** queries and mutations powering mobile product features with efficient, targeted data fetching.
- Shipped deadline tracking, status-based filtering, and iterative UI enhancements within a cross-functional remote team.

Virgil Africa

Full-Stack Developer

Nairobi, Kenya

Feb 2025 – May 2025

- Led frontend implementation of a client-facing product, from UI prototyping to production-ready component architecture, state management, and API integration.
- Built responsive, conversion-focused **React** interfaces that streamlined checkout and reduced friction across customer-facing flows.
- Designed and built lightweight **Python / FastAPI** endpoints for asynchronous data retrieval and client synchronization.
- Paid down technical debt and shipped scalable UI improvements across existing web applications.
- Configured **GitHub Actions** CI/CD pipelines to automate builds and deployments for faster, more reliable releases.

Projects

Tidepush – OTA Updates for Expo | [Source Code](#) | [Docs](#)

Cloudflare Workers | Hono | React

- Built a multi-tenant server for the open **Expo Updates protocol** that ships JavaScript and asset fixes to React Native apps without app-store review, offered as a hosted service and as a self-hosted deployment on Cloudflare.
- Implemented **RSA-signed** manifests and rollbacks, **staged percentage rollouts**, instant rollback to the previous or store-embedded bundle, and promotion of the same update from staging to production channels.
- Architected a **Turborepo** monorepo: a **Hono** API Worker on **D1** and **R2** with edge-cached bundles, and a **TanStack Start** + **Better Auth** dashboard linked via service bindings, with org roles and CI API tokens.
- Published the **tidepush CLI on npm** (login, init, publish, promote, rollout, rollback) over a shared typed API contract, backed by **120+ tests** and CI enforcing Biome linting, type checks, and a browser JavaScript budget.

Sauti Link – Civic Governance Platform | [Source Code](#)

React | Convex | TypeScript

- Built a civic participation platform connecting citizens with elected representatives through bilingual bill summaries, public feedback, and county-level engagement dashboards.
- Modeled data and real-time backend functions in **Convex** for vote casting, analytics queries, document uploads, and scoped multi-role access control.

Technical Skills

Languages: TypeScript, JavaScript, Python, Kotlin (basic), SQL, HTML, CSS

Frontend & Mobile: Vue 3, React, React Native, Expo / Expo Router, Vite, Tailwind CSS, shadcn/ui

State, Data & Forms: Pinia, TanStack Query, Zustand, Context API, react-hook-form, Zod

Backend & APIs: Node.js, Hono, Express, FastAPI, GraphQL, REST, Webhooks, Convex

Cloud & Databases: Cloudflare (Workers, D1, R2), Vercel, PostgreSQL, Supabase, Neon

Tools & DevOps: Git, GitHub Actions, Turborepo, Bun, Jest, Vitest, Biome, Postman, PostHog, Cursor