

# Victor Karanja

Full Stack Developer (Platform & Product)  
Nairobi, Kenya

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## Professional Summary

Full stack developer with 5+ years of experience building production web applications end-to-end. Strong in TypeScript/JavaScript (Next.js, React) and backend systems (Node.js/Express, Go) with PostgreSQL at the core. I build real operational tools: multi-tenant architectures, RBAC, workflows, audit logs, and payment-safe integrations (webhooks, idempotency).

## Core Skills

**Languages:** TypeScript/JavaScript, Go, SQL

**Frontend:** Next.js, React, Tailwind CSS, Responsive UI

**Backend:** Node.js/Express, REST APIs, Auth (JWT/Bearer), RBAC, Webhooks, Idempotency

**Data:** PostgreSQL, Drizzle ORM, Prisma (familiar), Data modeling, Migrations

**DevOps:** Docker, Git/GitHub, CI checks, Deployments (Vercel/Render), Linux

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## Experience

### Full Stack Developer

Rynode Solutions (Software Development Company) | 2021 - 2026

- Delivered full stack features across Next.js/React frontends and Node.js/Go backends, from discovery to production rollout.
- Built RBAC patterns and permission gates used across admin, operator, and end-user experiences.
- Designed PostgreSQL schemas and migrations; implemented ORM layers (Drizzle/Prisma patterns) with clean boundaries.
- Implemented workflow-heavy features (approvals, statuses, audit trails) to support real operational use-cases beyond CRUD.
- Hardened integrations that depend on external events (webhooks) using idempotency keys, retries, and transaction boundaries.

Selected impact (approx.):

- Reduced duplicate webhook-processing incidents by introducing idempotency and replay-safe handlers.
  - Cut manual admin work by automating approvals, status transitions, and audit logging in internal tools.
  - Improved release reliability by containerizing services and standardizing environment configuration across deployments.
  - Increased delivery speed by standardizing reusable components and API client patterns across projects.
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## Selected Projects

### Multi-Tenant SaaS Platform

Production-grade multi-tenant system (org/workspace isolation) with RBAC, audit logs, and scalable billing-ready architecture. Built for real users, not demos.

Go, Multi-Tenant, RBAC, PostgreSQL

Link: <https://mtsaasweb.vercel.app/>

- Implemented tenant isolation strategy for data access and request context propagation.
- Designed RBAC roles/permissions and audit trails for operational accountability.

### **EventOps (Multi-Campus Event Management)**

Event management system with role-based access (organizers/attendees/admin), approvals, and reporting. Designed as a real operational tool, not a class CRUD app.

TypeScript, RBAC, PostgreSQL, ORM (Drizzle), Workflows, API

Link: <https://eventops-xi.vercel.app/>

- Built role-aware UI flows and protected routes aligned with backend authorization rules.
- Implemented workflow states for approvals and reporting-friendly data structure.

### **Payments + Booking Platform**

Booking + payments platform with secure webhooks, idempotency, and transactional emails. Built to handle real money flows safely.

TypeScript/Node.js, Webhooks, Idempotency, PostgreSQL

- Implemented webhook verification and replay-safe processing using idempotency keys and transaction boundaries.
- Added transactional email triggers for booking confirmations and payment status changes.

### **API Starter Kit (Production Template)**

Reusable service template with authentication, RBAC middleware, validation, logging, and Docker-ready deployment setup.

Go/Node.js, RBAC, Docker, CI checks

- Standardized env configuration and error handling to reduce setup friction and regressions across new services.

### **Admin Ops Dashboard**

Internal admin dashboard for approvals, audit trails, and operational reporting across multiple roles.

Next.js, TypeScript, RBAC, PostgreSQL

- Cut manual admin workload by automating approvals and enforcing workflow rules with auditable actions.

### **Polling + Insights Platform**

Polling website with results pages and content section, structured for analytics and trend reporting.

Next.js, PostgreSQL, Analytics-ready

- Prepared data models that support filtering, trend analysis, and reporting views.

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## **Education**

### **Dedan Kimathi University of Technology**

Bachelor of Science in Information Technology | 2015 - 2019

### **Kangaru School**

High School | 2010 - 2014