

Charles Gitonga

Full-Stack Engineer — FastAPI & Next.js Developer · Web Scraping Specialist

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PROFILE

Full-stack engineer building APIs, data systems, developer tools, and web applications — typically Python/FastAPI on the backend and TypeScript/Next.js on the frontend, with a focus on data collection and processing.

TECHNICAL CAPABILITIES

Backend	Python, FastAPI, REST APIs, PostgreSQL, async systems
Frontend	TypeScript, React, Next.js, responsive UI
Data	Web scraping, data collection, data processing, data systems
Developer Tools	TypeScript SDKs, API clients, CLI tools, open-source packages

SELECTED PROJECTS

KRA eTIMS TypeScript SDK

A TypeScript SDK for integrating with the Kenya Revenue Authority eTIMS system — a typed client for Node/TypeScript projects instead of hand-rolled HTTP calls.

github.com/ToshGitonga0/kra-etims · TypeScript, Node.js, REST APIs

KryptoKE

A full-stack cryptocurrency/trading application: FastAPI backend, Next.js frontend, PostgreSQL for persistence.

github.com/ToshGitonga0/kryptoke · FastAPI, Next.js, PostgreSQL, TypeScript, Python

EDUCATION

Daystar University — Data Science

Kiaguthu Boys High School, Murang'a