Kennedy Odhiambo Ada

Full Stack Software Developer
[GitHub Profile] | [LinkedIn Profile]

SUMMARY

Full Stack Developer with 2 years of hands-on experience building modern, efficient, and secure web applications. I specialize in creating user-friendly interfaces using React.js and Next.js, and building high-performance backend APIs with Golang and the Django Web Framework. My experience includes secure authentication with JWT, fine-grained authorization via PostgreSQL Row-Level Security (RLS), and clean RESTful API design. I also apply DevOps best practices to ensure reliable deployments and scalable infrastructure.

PROFESSIONAL EXPERIENCE

Full Stack Developer
Zone01 Kisumu — Kisumu, Kenya
April 2024 – Present

- Developed expertise in Go, C, Python, JavaScript, and Rust through solving real-world coding challenges and building scalable applications.
- Collaborated in team-based projects, sharpening project management and problem-solving skills.
- Contributed to a peer-to-peer learning environment by engaging in code reviews, pair programming, and knowledge-sharing sessions.
- Tackled complex bugs and architectural challenges in real-world projects like HEAL and SolarShare, applying tools like Go, Supabase Auth, and PostgreSQL RLS.
- Practiced agile methodologies, including during the Code and Cheer Hackathon, where rapid development and execution were key.
- Shared knowledge through technical articles on Dev.to, mentored peers in Go and web development, and promoted a learning culture at Zone01.

PROJECTS

SolarShare – Peer-to-Peer Solar Energy Distribution Platform
Go, React, Supabase, PostgreSQL RLS, Envi.Base API

- Collaborating with Envitron to develop a real-time energy sharing system using smart solar controllers. Working with envitron public JWT secured RESTFul api to get energy data and send actions.
- Building a secure backend in Go and an interactive admin/user dashboard in React.
- Implementing Supabase Auth and PostgreSQL RLS for secure, role-based access control.

HEAL – AI Therapy Assistant for SGBV Survivors
Go, Supabase, React, AI Integration

- Co-created HEAL, an AI-powered therapy assistant for survivors of sexual and gender-based violence.
- Led backend development in Go; ongoing integration of AI workflows, React frontend, and Supabase authentication.
- Winner of the Code and Cheer Hackathon.

Koru Mission Hospital Website
Django, Bootstrap, Vanilla JavaScript

- Building a modern and responsive website to improve the hospital's digital presence.
- Developed backend CMS features using Django, styled with Bootstrap, and added dynamic interactions using Vanilla JavaScript.

EDUCATION

Bachelor of Science in Mathematics and Computer Science
Kenyatta University – Nairobi, Kenya
2013 – 2017