

CHRIS OKETCH

Full Stack Developer`

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🌐 Portfolio: [My portfolio](#)

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ABOUT ME

As a full stack developer, I've found my calling in crafting intuitive web applications that not only function flawlessly but also delight users at every interaction. My journey through the tech landscape has been guided by curiosity and the belief that technology should simplify rather than complicate.

When I'm not immersed in code, you'll find me mentoring emerging developers and organizing community tech events. I believe in the power of knowledge sharing and have witnessed how it transforms both individuals and communities. From building blockchain solutions for energy trading to healthcare platforms that make a difference, my work reflects my commitment to creating technology with purpose.

MY PROFESSIONAL JOURNEY

Creative Problem Solver & Full Stack Developer

Freelance | 2023 - Present

My freelance journey has been about turning clients' visions into digital reality. Working closely with startups and established businesses alike, I've crafted web experiences that not only look beautiful but perform exceptionally well.

Each project begins with deep listening – understanding not just what clients want built, but why they need it and who will use it. This approach has allowed me to create solutions that genuinely serve business needs while delighting end users.

I've found particular joy in translating complex requirements into elegant code, whether that's building a responsive e-commerce platform that converts browsers into buyers or creating a dashboard that makes complex data accessible at a glance. Along the way, I've refined my toolkit – React and Next.js for dynamic frontends, Node.js for robust backends, and Tailwind CSS for creating interfaces that look custom-built without reinventing the wheel.

Community Builder & Technical Educator

Kaizen Club | Nov 2024 - Present

My role at Kaizen Club has been a perfect blend of technical expertise and community building. What started as informal knowledge-sharing sessions has evolved into structured workshops and hackathons that have touched the lives of over 500 developers.

There's something magical about seeing that "aha" moment when a concept clicks for someone – whether it's understanding React hooks for the first time or successfully deploying their first full-stack application. These moments have fueled my passion for creating inclusive learning environments where developers at all levels feel empowered to grow.

Beyond technical skills, I've focused on cultivating a community where collaboration trumps competition. This approach has transformed Kaizen Club from a simple meetup space to a vibrant hub where developers come to learn, share, and build meaningful connections.

Solution Architect | Edupay Project

2023 - Present

Edupay began as a solution to a real problem – the inefficient and often frustrating process of school fee payments in local institutions. Leading this project has been about more than just coding; it's been about understanding the pain points of schools, parents, and financial institutions to create a system that works seamlessly for everyone involved.

I architected the solution using Next.js for a responsive frontend and designed secure payment flows that parents could trust. Working closely with school administrators helped me create dashboards that simplified their financial tracking and reporting needs.

What I'm most proud of isn't just the technical implementation, but the real-world impact – schools spending less time on payment processing and more time on education, and parents having a stress-free way to invest in their children's future.

PROJECTS WITH PURPOSE

Each project I've taken on represents more than just code – they're solutions to real challenges faced by communities and businesses. Here are some highlights from my portfolio:

1. OnGrid Protocol

ongridprotocol.com

OnGrid began as a conversation about energy accessibility in underserved communities. The challenge was creating a platform where excess solar energy could be traded peer-to-peer, empowering individuals to become both consumers and producers of clean energy.

Using React.js and Web3 technologies, I built an intuitive interface that masks the complexity of blockchain transactions behind a simple user experience. The responsive dashboard gives users real-time insights into their energy production, consumption, and trading history. What makes this project special is seeing how it's fostering energy independence in communities previously reliant on inconsistent grid access.

2. MaishaCare

maishacare.xyz

Healthcare access shouldn't be complicated – that's the philosophy that drove the development of MaishaCare. Working alongside healthcare providers, I designed a platform that bridges the gap between patients and medical services.

The Next.js frontend provides an intuitive booking system that works across devices, while secure backend systems protect sensitive health information. I'm particularly proud of the appointment reminder system that has helped reduce missed appointments by making healthcare more accessible for everyone, regardless of their technical proficiency.

3. Zenlipa

zenlipa.co.ke

Zenlipa grew from a local business owner's dream of bringing Kenyan artisanal products to a global market. The challenge was creating an e-commerce experience that would showcase products beautifully while providing the security and reliability that shoppers expect.

I focused on creating product discovery journeys that tell the stories behind each item, implementing advanced filtering that helps customers find exactly what they're looking for without frustration. The mobile-first approach ensures that the growing number of

smartphone shoppers in the region can browse and purchase with ease, while optimized checkout flows have significantly increased conversion rates.

4. Decentrix Africa

decentrix.africa

Identity verification remains a significant barrier to financial inclusion across Africa. Decentrix addresses this challenge through a blockchain-based system that gives individuals control over their identity while providing institutions with verified information they can trust.

The technical challenge was creating a solution that works in low-connectivity environments and accommodates various levels of technical literacy. The resulting platform uses React.js for a responsive frontend with offline capabilities and implements Web3 wallet connections for secure identity verification. Seeing how this solution has helped individuals access financial services previously beyond their reach has been tremendously rewarding.

5. EdupayDeFi

edupaydefi.xyz

Building on the success of the original Edupay system, EdupayDeFi explores how decentralized finance can democratize access to education funding. The platform connects students with scholarship providers and creates transparent funding mechanisms through smart contracts.

The analytics dashboard I designed gives donors real-time insights into the impact of their contributions, fostering trust through transparency. The staking and reward mechanisms incentivize long-term education support rather than one-time donations. What excites me most about this project is its potential to create sustainable education funding models that can scale across regions with limited traditional financial infrastructure.

EDUCATION

Software Engineering Graduate

Power Learn Project | Aug - Dec 2024

- Specialized in Full Stack Development with focus on modern JavaScript frameworks
- Completed capstone projects demonstrating proficiency in React, Next.js, and Node.js

- Participated in collaborative coding challenges and hackathons

TECHNICAL SKILLS

Frontend Development

- React.js, Next.js, TypeScript, JavaScript (ES6+)
- Tailwind CSS, ShadCN, Responsive Design
- State Management (Redux, Context API)

Backend Technologies

- Node.js, Express.js, RESTful API Design
- API Integration, Authentication Systems
- Payment Gateway Integration

Web3 & Blockchain

- Smart Contract Integration
- Web3.js, Ethers.js
- DeFi Application Development

UI/UX Design

- Figma, User Experience Optimization
- Accessibility Standards
- Component-Based Design Systems

DevOps & Tools

- Git, GitHub, CI/CD Pipelines
- Docker, Deployment Strategies
- Postman, API Testing

ACHIEVEMENTS

- Developed Edupay, increasing school fee collection efficiency by 45% for client institutions
- Successfully mentored 500+ developers, with 70% reporting career advancement after training

- Reduced page load times by 40% across client projects through performance optimization
- Led 5 successful hackathons resulting in 12 viable startup projects like codeafrica.io

REFERENCES

Available upon request,thank you!