

BRIAN OUMA

Software Developer — Full-Stack (React / Node.js)

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PROFESSIONAL SUMMARY

Recent BSc Computer Science graduate specializing in full-stack JavaScript development (React, Next.js, Node.js, Express, MongoDB). Experience building and deploying production web applications with payment integration, role-based access control, and third-party API integrations. Comfortable testing, debugging, and shipping features independently, with hands-on exposure to Web3/Solidity. Seeking an entry-level or internship Software Developer role to grow within a professional engineering team.

TECHNICAL SKILLS

Frontend: HTML5, CSS3, JavaScript (ES6+), React.js, Next.js (App Router), Tailwind CSS, Responsive Design

Backend: Node.js, Express.js, REST APIs, MongoDB, Mongoose

Auth & Payments: Supabase Auth, JWT, M-Pesa STK Push (Daraja API), Role-Based Access Control (RBAC)

Tools & Platforms: Git, GitHub, Vercel, Render, Cloudinary, TanStack Query, BullMQ/Redis

Additional: Web3/Solidity basics, Sentry (monitoring), Brevo (email), Africa's Talking (SMS)

KEY PROJECTS

ChainwiseAI — Crypto Routing AI Agent | [chainwise-seven.vercel.app](#)

- Built an AI agent that aggregates withdrawal fees, minimum deposits, and minimum withdrawals per coin across major centralized exchanges
- Enables users to find the cheapest withdrawal routes, supported chains, and available coins/networks per exchange

Church Management Platform — H.O.T. Church | [houseoftransformation-nextjs.vercel.app](#)

- Built a production-grade, responsive multi-page React/Next.js application serving an active congregation, including admin dashboards and real-time data tables
- Integrated M-Pesa STK Push (Daraja API) for live donation payments with webhook handling and transaction tracking
- Implemented granular RBAC with 50+ permissions and multi-step member registration flows
- Integrated Cloudinary (media), BullMQ/Redis (job queues), Brevo (email), Africa's Talking (SMS), and Sentry (error monitoring)
- Deployed and maintained across Vercel (frontend) and Render (backend) with ongoing performance optimization

Decentralized Voting System — BlockBallot

- Designed and deployed Solidity smart contracts to prevent double-voting and ensure tamper-proof ballot recording
- Built a React front-end with real-time vote results and wallet connection

WORK EXPERIENCE

IT Assistant — The Judiciary of Kenya (ELRC, Mombasa)

May 2024 – July 2024

- Provided first-line technical support and troubleshooting for court staff systems, hardware, and software
- Maintained digital records and assisted non-technical users, developing clear communication across skill levels
- Worked effectively in a formal, structured environment under minimal supervision

EDUCATION

BSc Computer Science — Technical University of Mombasa

Graduated November 2025 | Second Class Lower Division

Key areas: Software Development, Data Structures, Database Systems

ADDITIONAL INFORMATION

- Fluent in English, Swahili, and Luhya
- Experienced integrating and consuming third-party REST APIs in production applications
- Comfortable using AI-assisted development tools for rapid prototyping and problem-solving
- Available immediately for full-time roles or industrial attachment
- References available upon request