Muriuki Muchiri

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Skills

Go, Rust, Solidity, TypeScript, Python, Java, React, NextJS, NestJS, Django, Node, MySQL, PostgreSQL, Solana, Ethereum, Smart Contracts, DeFi, Git, Docker, Puppet, CI/CD, Linux, Networking, Scripting & Automation

Experience

Bcamp   Jun 2024 – Aug 2024
Blockchain Developer Apprentice   *Nairob, Kenya*

- Co-developed innovative ERC404-based liquidity token system, combining ERC20 and ERC721 functionalities to enhance LP incentives, resulting in improved liquidity retention
- Developed React-based frontend for seamless interaction with ERC404 liquidity positions, boosting user engagement
- Optimized gas usage for ERC404 token interactions and wrote comprehensive unit tests using Hardhat, achieving 95% code coverage and reducing post-deployment issues

Eve'smama Ltd   Sep 2023 – Jan 2024
Software Engineer Intern   *Nairob, Kenya*

- Developed dynamic website for midwifery company, increasing online visibility by 200% and user engagement by 150% within 6 months
- Optimized site performance, reducing load time by 40% and increasing mobile responsiveness, resulting in a 25% decrease in bounce rate
- Collaborated with marketing team to integrate SEO strategies, leading to a 180% increase in organic search traffic

Projects

Rent3 - Blockchain-based Rent Management System | *Solidity, NestJS, NextJS, PostgreSQL*

- Developed Rent3, enabling crypto-based rent payments and transparent property ownership records on blockchain
- Architected and implemented the entire backend infrastructure using NestJS and PostgreSQL
- Integrated Solidity smart contracts with NextJS frontend, streamlining user interactions with the blockchain

LP-NFT - Innovative DEX Liquidity System | *Solidity, ERC404, ERC20, ERC721, React, Node.js, Blockchain Events*

- Architected a novel DEX system combining ERC20 LP tokens with ERC721 NFTs, enhancing liquidity provision and user engagement
- Created embeddable frontend component and backend system for dynamic NFT metadata generation, improving DEX functionality and user experience

Didomi - Cryptocurrency Crowdfunding Platform | *Next.js, React.js, Nest.js, PostgreSQL, Prisma, Rust, Anchor, Solana*

- Developed Didomi, a decentralized platform for cryptocurrency-based project crowdfunding with transparent milestone tracking and automated fund distribution
- Engineered full-stack solution using Next.js, React, Nest.js, and PostgreSQL, integrating Solana blockchain with Rust/Anchor smart contracts for secure fund management

Muve - Playlist Converter | *ReactJS, Redux, Django, REST API, Tailwind, MUI, Docker, AWS*

- Built playlist converter application integrating YouTube and Spotify APIs using Next.js, React.js for front-end and Django for back-end
- Implemented responsive design and complex data operations, resulting in positive user feedback for intuitive interface and seamless functionality

Education

Edulink International College   Expected Graduation, November 2024
Advance Diploma in Software Engineering   *Nairobi, Kenya*

- **Concentrations**: Software Engineering, Web Development, Android Development

Holberton School (ALX)   Graduated July 2024
Certificate in Software Engineering   *Nairobi, Kenya*

- **Concentrations**: Software Engineering, Backend-Engineering, DevOps, Networking