# Muriuki Muchiri

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## Skills

Golang, Java, TypeScript, Python, React, NextJS, NestJS, Django, Node, SQL, Microservices, REST API, GraphQL, RabbitMQ, Git, Docker, AWS, Azure

## Experience

**Bcamp**                                                                                          Jun 2024 – Aug 2024
*Blockchain Developer Apprentice*                                                                   *Nairobi, Kenya*
- Pioneered an innovative ERC404-based liquidity token system, merging ERC20 and ERC721 functionalities to bolster LP incentives, yielding enhanced liquidity retention
- Engineered a React-based frontend for frictionless interaction with ERC404 liquidity positions, catalyzing increased user engagement
- Streamlined gas usage for ERC404 token interactions and architected comprehensive unit tests using Hardhat, attaining 95% code coverage and mitigating post-deployment issues

**Eve'smama Ltd**                                                                                   Sep 2023 – Jan 2024
*Software Engineer Intern*                                                                          *Nairobi, Kenya*
- Orchestrated the development of an intuitive website, propelling online visibility by 200% and amplifying user engagement by 150% within a 6-month timeframe
- Executed performance enhancements, slashing load time by 40% and elevating mobile responsiveness, culminating in a 25% reduction in bounce rate
- Collaborated with marketing team to implement SEO strategies, driving a 180% surge in organic search traffic

## Projects

**Rent3 - Blockchain-based Rent Management System** | *Solidity, NestJS, NextJS, PostgreSQL*
- Spearheaded the development of Rent3, facilitating crypto-based rent payments and ensuring transparent property ownership records on blockchain
- Orchestrated and executed the entire backend infrastructure utilizing NestJS and PostgreSQL
- Seamlessly integrated Solidity smart contracts with NextJS frontend, optimizing user interactions with the blockchain

**Didomi - Cryptocurrency Crowdfunding Platform** | *Next.js, React.js, Nest.js, PostgreSQL, Prisma, Rust, Anchor, Solana*
- Conceptualized and launched Didomi, a decentralized platform enabling cryptocurrency-based project crowdfunding with transparent milestone tracking and automated fund distribution
- Crafted a full-stack solution leveraging Next.js, React, Nest.js, and PostgreSQL, while integrating Solana blockchain with Rust/Anchor smart contracts for secure fund management

**LP-NFT - Innovative DEX Liquidity System** | *Solidity, ERC404, ERC20, ERC721, React, Node.js, Blockchain Events*
- Pioneered a novel DEX system fusing ERC20 LP tokens with ERC721 NFTs, amplifying liquidity provision and user engagement
- Engineered an embeddable frontend component and backend system for dynamic NFT metadata generation, elevating DEX functionality and user experience

**Muve - Playlist Converter** | *ReactJS, Redux, Django, REST API, Tailwind, MUI, Docker, AWS*
- Architected a playlist converter application, synchronizing YouTube and Spotify APIs using Next.js and React.js for front-end, with Django powering the back-end
- Incorporated responsive design and intricate data operations, garnering positive user feedback for its 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, Backend-Engineering, Android Development

**Holberton School (ALX)**                                                                          Graduated July 2024
*Certificate in Software Engineering*                                                               *Nairobi, Kenya*
- **Concentrations**: Software Engineering, Web Development, Backend-Engineering, DevOps, Networking