

Njue Macmillan Munene

Software Developer

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Ambitious software engineer with a focus on full-stack development.

Back-end Software Engineer - Songa

August 2023 - October 2023

- Designed and implemented a scalable and efficient back-end infrastructure for the Songa ride booking apps, optimizing performance and reducing latency by 80%.
- Spearheaded the transition from Firebase cloud messaging to web sockets for handling notifications to the customer facing apps.
- Implemented real time location updates for riders using caching mechanisms to ensure rider location is updated as they move between picking points.
- Streamlined the ride booking process by implementing algorithms to recommend the perfect rider for each user thus increasing user satisfaction.

Software Developer - Freelance

1. [Kipaji Social](#) - A social platform for football fans and clubs in Kenya that offers fan tokens in the form of cryptocurrencies. Since this is a decentralized application, I built the frontend using Vue.js consuming [Benkiko APIs](#).
2. [Mobile Eats](#) - A food delivery progressive web application. Restaurants can create profiles and have their own riders to deliver food to their customers.
3. [Mobile eats server](#) - I developed the back-end server for mobile eats web application mentioned above which involved user authentication and authorization, push notifications, order processing, payments integration and

several other features. I used node.js, Typescript, Redis and Docker for this project.

4. [Authentication and authorization server](#) - I created a role-based authentication and authorization server using Node.js, express, PostgreSQL and sequelize ORM. I also wrote detailed documentation using swagger UI on how to access and use the endpoints.
5. [SportyPredict](#) - A sport prediction web application where I worked on the back-end mainly involving authentication and CRUD operations for the sport predictions. I used Node.js, express and MongoDB for the server in this project.
6. [Farid creations server](#) - Back-end server for a client's web application that has e-commerce features, user authentication and authorization, role based access and M-pesa payments integration. I implemented secure authentication, role based access and seamless integration with [Chpter APIs](#) for M-pesa STK push payments. The project also has CI/CD setup for deployment to Digital ocean container registry and App platform.

Education

Bachelor of Business Information Technology - Second class (Upper division)

Cooperative University of Kenya
September 2019 - December 2023

Skills

Languages

JavaScript, Typescript

Tools and technologies:

Node.js, Vue.js, React, Express, Nuxt, MongoDB, PostgreSQL, Redis, Git, GitHub, Docker