Njue Macmillan Munene

Software Developer

munenenjue18@gmail.com | https://munene-m.vercel.app | https://github.com/munene-m

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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. I built it 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.

4. **SportyPredict** - A sport prediction web application where I worked on the backend mainly involving authentication and CRUD operations for the sport predictions. I used Node.js, express and MongoDB for the server in this project.

5. **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.

Education

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

Cooperative University of Kenya
September 2019 - April 2023

Skills

Languages

JavaScript, Typescript

Tools and technologies:

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