CLINTON NJIRU

SOFTWARE ENGINEER

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I'm a full stack software engineer with a knack for perfection and gifted with a strong desire to write beautiful, clean and maintainable code. I'm passionate about the accessibility of tech, solution delivery and impact. I look forward to working on a team that's customer oriented and passionate about their product.

EXPERIENCE

Frontend Developer | Nathan Digital | Nairobi Kenya
Apr. 2024 - present

- Developed custom accounting-based components using ReactJS and Nuxt3 for sales and expenses tracking, including dashboards and reports, which serves all users in the organization.
- Resolved critical ticket issues, accurately diagnosing and fixing defects in the frontend codebase.
- Designed and created new features to improve the overall user experience, including optimizing pages for performance, implementing responsive design, and building user-friendly forms.

Full Stack Developer | Rawlinz Designs | Ruiru, Kenya
Nov. 2022 – Mar. 2024

- Led the development of a reliable and expandable web application with ReactJS and NextJS, ensuring a seamless user experience across several platforms.
- Created and consumed REST APIs for ReactJS and Flutter frontends for mobile achieving seamless data exchange between mobile app, web and the Nodejs backend.
- Implemented real-time features using custom webhooks, enhancing user engagement and enabling live updates within the application.
- Performed routine speed improvements and code reworking, which enhanced app load times and decreased end-user data usage.

PROJECTS

Paragon Homes Solutions (ReactJS)
https://paragonhomessolutions.netlify.app/
- Webapp to list, search and book properties and real estate written in Reactjs
- Utilizes Mongodb database and a nodejs backend serving out REST APIs.
- Styled using CSS and material UI library

Haba Dating Club (NextJS)
https://www.habadatingclub.com/
- A Kenyan dating platform to offer matchmaking services and serve as an Elite members registration site.
- Integrated with Paystack REST APIs for secure payments.
- Styled using Tailwind css to ensure speedy development, reduced CSS bloat and responsiveness

Carpal (Flutter)
- A mobile app aimed to provide a seamless and efficient platform for car owners and prospective buyers/renters to connect and transact.
- Utilizes Django backend with models on the cars, filtering functionality and REST APIs to be consumed in the frontend
- Optimized using Block state management offering efficient push notifications, fetching data from api and secure user sessions.

Tectonic Assets (Go)
https://github.com/NjiruClinton/tectonic_assets
- Developed tectonic_assets, a web-based dashboard project for real-time monitoring and analysis of CPU usage, memory allocation, threads, and other runtime metrics in Go applications.
- Implemented a data collection agent for integration with various applications, a central server for data processing and storage, and a web dashboard for displaying real-time data and analytics.
- Designed and implemented a database schema, data processing logic, and performance/security testing to ensure the reliability and scalability of the system.
- Utilized Go profiling techniques and web technologies to create a comprehensive monitoring solution for tracking and analyzing application performance metrics.

SKILLS

- ReactJS
- Django
- NodeJS
- Flutter
- MySQL
- Mongodb
- Nextjs
- Angular
- Firebase
- Nuxt 3/VueJS3
- Tailwind CSS
- PostgreSQL
- Docker
- Go
- Graphana
- Vue2

EDUCATION

Bachelor of Science in Computer Science | Gretsa University
2021 – 2024
- Completed coursework in computer programming, data structures, algorithms, database management, software engineering, and computer networks.
- Developed a student's online election voting mobile app using flutter and Django backend/admin as my final year project.
- Participated in National Students hackathons winning some of them.

ReactJS, Firebase & Tailwind CSS | Udemy
Apr 2023 - https://www.udemy.com/certificate/UC-e14d8123-c44b-40a4-ac57-b5cc10822533/
- Learnt creating react projects from scratch, implementing the CRUD operations
- Consumed google geolocation APIs and displayed the UI using my own custom hooks and react hooks like UseEffect
- Learnt how to use Tailwind CSS to create image sliders and finally deploy react projects to Vercel

NextJS, Projects | Udemy
June 15 - https://www.udemy.com/certificate/UC-6709b9d4-6e48-483c-a241-0e6d90b0a9ed/
- Build 4 practical powerful NextJS apps including TMDB, Instagram, and Google Clones
- Learnt about pagination, image uploading functionality, and state management using recoil.
- Learnt about rendering techniques such as how to build static site pages, server side rendering and incremental static regeneration
- Learnt how to deploy apps using vercel with my own custom domain name

REFEREES

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