

JAMES EDGAR MOKUA

SOFTWARE ENGINEER

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Relevant Experience

Software Engineer Intern @ Arklight International

SEP 2022 - Present

- Developed and maintained code for in-house and client websites primarily using HTML, CSS, Sass, JavaScript, React, Node JS and MySQL.
- Manually tested sites in various browsers and mobile devices to ensure cross-browser compatibility and responsiveness
- Build distributed storage, index, and query systems that are scalable, fault-tolerant, low cost, and easy to manage/use.
- Collaborate with experienced cross-disciplinary Engineers to conceive, design, and bring innovative in-house and client products to life.
- Taught grade 4 to grade 8 students about the basics of programming using Scratch and helped them learn to code through building games.

Software Development Engineer @ Freelance

JULY - AUG 2022

- Write modern, performant, maintainable code for a diverse array of client and internal projects.
- Work with a variety of different languages, platforms, frameworks, and content management systems such as JavaScript, TypeScript, Node JS, React, WordPress, and Netlify.
- Interfaced with clients on a weekly basis, providing technological expertise
- Collaborated with senior engineers and product management following best practices for the full software development life cycle, including coding standards, code reviews, source control management, build processes, testing, and operations.

Software Engineer Intern @ Eliminst Devs

SEP 2020 - JULY 2021

- Executed deliverables concerning user stocks and tested user stocks deliverables and made sure that all modules were functioning at 100%
- Delivered responsive, cross browser compatible and accessibility compliant websites, achieving 12% faster load time than industry average
- Deliver engaging user experience through optimization of images, code, and cross-browser compatibility, increasing Time on Page by +60 seconds for the client websites
- Designed dynamic and browser compatible pages using React JS, TypeScript, Node and UI libraries like Fluent UI

Projects

Self-Driving Car

This is a self-driving car simulation that implements neural networks and machine learning all in JavaScript with no libraries used

Twitter Bot

Built a GPT-3 Powered Twitter Bot that automatically sends tweets after a given amount of time based on a chosen topic using Node.js, Firebase and the Twitter API

Skills

Programming Languages

JavaScript (ES6), TypeScript, HTML, CSS/Sass, SQL, Python, PHP, Three.js, Java, C, C++, React Native

Libraries & Frameworks

React, Node.js, Express, Jekyll, Fluent UI, MUI, JQuery

Tools & Platforms

Git, Webpack, Netlify, Heroku, WordPress, Docker, Firebase

Design

Figma

Education

Jomo Kenyatta University of Technology and Agriculture

2020 - 2023

Bachelor of Science in Business Information Technology

Skills

- Project Management
- Complex Problem Solver
- Creative design
- Innovative

Languages

- English - Advanced and fluent
- Kiswahili - Advanced and fluent