

# JAMES EDGAR MOKUA

## SOFTWARE ENGINEER

Phone: +254799006114

Website: <https://edgarmokua.netlify.app/> GitHub: <https://github.com/JamesMokua>

Email: [jameiedgar02@gmail.com](mailto:jameiedgar02@gmail.com)

LinkedIn: <https://www.linkedin.com/in/jamesmokua/>

## Relevant Experience

### Software Engineer @ Arklight International

APR 2022 - Present

- Spearheaded implementation of watertight Principle of Least Authority across 100% of software engineering and associated team members.
- Manually tested sites in various browsers and mobile devices to ensure cross-browser compatibility and responsiveness while 28% faster load time than industry average
- 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.

### 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, Spring Boot

### Tools & Platforms

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

### Design

Figma

## Education

### Jomo Kenyatta University of Technology and Agriculture

2020 - 2023

Bachelor of Science in Business Information Technology

### Soft Skills

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

### Languages

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