

# Fidel Odhiambo

Software Engineer (Bsc. Computer Science)

Nairobi,  
Kenya  
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## EXPERIENCE

### SMARTSPOT, Nairobi — *Intern*

APRIL 2023 – AUGUST 2023

Contributed to the development of landing pages with interactive user interfaces.

**Skills:** React, JavaScript, CSS3, WebSocket, Redux.

## PROJECTS WORKED ON:

- **SMARTSPORT's landing page:-** Worked on the companies front-end development.
  - **Live Demo:-**  
<https://play.google.com/store/apps/details?id=com.savannah.my>
- **Portfolio:-** Developed my first portfolio to showcase my skills during my internship
  - **Live Demo:-**  
<https://play.google.com/store/apps/details?id=com.savannah.my>

## SKILLS AND TECHNOLOGY

App (Next.js, React Native)

Python (Django)

Design mockups and wireframes (Figma)

Javascript(React)

WebXR

Restful APIs

WebGL

CI/CD (GitHub actions and GitLab CI/CD)

Git (GitLab and GitHub)

## ACHIEVEMENTS

Architected and developed 3+ interactive 3D web applications using Three.js and WebGL.

Improved application performance by 40% through advanced optimization techniques.

Implemented comprehensive testing strategies reducing bugs by 60%.

Developed custom CMS solutions reducing content management time by 70%.

Developed responsive UI components used across 10+ pages.

## **Freelancing, Remote — *Software Engineer***

NOVEMBER 2022 – PRESENT

Provide full-stack development services for startups and small businesses, focusing on modern web technologies and interactive user experiences.

Skills: React, Node.js, MongoDB, Express, AWS, Stripe, Next.js, Docker.

## **SMARTSPOT, Kenya — *Web Developer***

MAY 2024 – PRESENT

I specialize in creating immersive experiences and interactive visualizations for various industries including healthcare, education, and entertainment.

Skills: React, WebXR, GLSL, Three.js, Blender, Unity.

## **RealTech Systems & Innovative Solutions, Kenya — *Senior Front-end Developer***

JANUARY 2025 – PRESENT

Leading the development of interactive web applications and modern React-based user interfaces for enterprise clients.

Skills: React, WebGL, PostgreSQL, Three.js, TypeScript, Node.js.

## **EDUCATION**

### **Alupe University, Busia, Kenya — Bachelor's *Degree***

NOVEMBER 2020 - APRIL 2024

BSc. Computer Science: Proficient in Calculus, Procedural programming, Systems hardware and software, Statistics, Operating systems, Software engineering, Algorithms, Database Systems, Networking, Digital circuits, Information systems security, Data structures, Simulation and Modeling, Computer Graphics, Computer Architecture, Distributed Systems, User Interface Design, Object-Oriented Programming, and more.

## **CONTACT**

### **PHONE**

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### **LINKED IN**

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### **EMAIL**

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### **GitHub ACCOUNT**

<https://github.com/Castro-bit23>

## **CAREER OBJECTIVES**

Conceptualizing software solutions with the latest technology, design theory, and a large dose of creativity. Committed to viable and easily functional software solutions for clients.

## **REFEREES**

Available on request.

## TECHNICAL PROJECTS

### Jahazitech Electricals & Electronics Engineering Services Website

#### COMPANY PORTFOLIO

A modern, responsive web platform built for Jahazitech to showcase their electrical and electronics engineering services, and projects. Features include service listings, project listing, contact form, and newsletter subscription.

Technologies – React, JavaScript, Git, Github, firebase, TailwindCSS

Live Demo:- <https://jahazitechelectricals.co.ke/>

### E-commerce Platform

#### FULL-STACK WEB APPLICATION

Scalable e-commerce platform built with React, Node.js, and PostgreSQL. Features include user authentication, payment processing, inventory management, and admin dashboard.

Technologies – Next.js, TypeScript, Arcjet, Auth0, Node.js, TailwindCSS, Docker.

Live Demo:- <https://jahazitechelectricals.co.ke/>

### Weather Analytics API

#### FINAL ACADEMIC YEAR PROJECT

Comprehensive weather data API with historical analysis, forecasting capabilities, and real-time weather updates. Serves over 10,000 requests daily.

Technologies – Python, FastAPI, PostgreSQL, Redis.

Live Demo:- <https://jahazitechelectricals.co.ke/>