SANDRA OBUNGA ACHIENG'

Full Stack Software Engineer
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PROFESSIONAL SUMMARY

I'm Sandra, a Versatile Full Stack Developer with hands-on experience building end-to-end web applications and management systems. Specializing in React, Next.js, Node.js, and RESTful API development with a strong foundation in database design and system architecture. Demonstrated ability to translate business requirements into scalable technical solutions while ensuring optimal user experience across devices. I combines technical expertise with entrepreneurial background to deliver impactful solutions that address real-world challenges.

TECHNICAL SKILLS

- **Frontend**: React.js, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Bootstrap, Responsive Design
- **Backend**: Node.js, Express.js, RESTful API Development, Authentication Systems
- **Database**: MySQL, MongoDB, Database Design, Data Modeling
- **Tools**: Git, GitHub, XAMPP, Vite, Render, VS Code, Postman
- **Additional**: UI/UX Design Principles, Web Accessibility Standards, API Integration, JWT Authentication

PROJECTS

Employee Management System (EMS)

Full Stack Developer | *2023 - 2024*

- Architected and implemented a comprehensive workforce management solution with distinct administrator and employee interfaces
- Developed dynamic administrative dashboard displaying real-time organizational metrics and employee data visualization
- Engineered robust CRUD functionality for employee records, job category management, and profile administration
- Implemented secure user authentication and authorization with protected routes and session management
- **Technologies**: React, Vite, Express.js, MySQL, Bootstrap, XAMPP, JWT Authentication

HaloWash - Laundry Service Platform

Full Stack Developer | *2023 - 2024*

- Built a full-stack web application for laundry service business operations using modern JavaScript frameworks
- Implemented responsive frontend with service information, booking system, and customer engagement features
- Developed RESTful APIs for handling customer inquiries, service requests, and newsletter subscription management
- Created secure database structure for storing and managing customer and service data
- **Technologies**: React, Next.js, Express.js, Node.js, EmailJS, Tailwind CSS, MongoDB

Personal Portfolio Website

Frontend Developer | *2023*

- Designed and developed a responsive personal portfolio showcasing projects and professional information
- Implemented modern UI/UX principles with responsive design for optimal viewing across devices
- Created dynamic content management system for project updates and contact functionality
- Optimized site performance through code splitting and asset optimization
- **Technologies**: React, CSS3, JavaScript, Render

PROFESSIONAL EXPERIENCE

Social Economic and Empowerment Attaché

Beacon of Hope Africa, Nairobi, Kenya
June 2022 - August 2022

- Managed data entry in the CPMIS system, maintaining accurate digital records for over 40,000 Orphaned and Vulnerable Children
- Developed and implemented digital tracking systems for lending and savings groups, improving efficiency by 30%
- Conducted technical training sessions for 200+ community members in Kibra on digital financial tracking
- Applied data analysis techniques to monitor and report on community financial program outcomes

EDUCATION

- **Front-end Website Development Certification** - Meta (Coursera), 2023-2024
- **Software Engineering Training** - ALX, 2023-2024
- **Bachelor of Science in Entrepreneurship** - Co-operative University of Kenya, 2019-2023
- **Computer Packages Certification** - Kenya Medical Training College (KMTC), 2018-2019

ADDITIONAL SKILLS

- Agile/Scrum Development Methodologies
- Cross-Browser Compatibility Testing
- Mobile Responsive Implementation
- Web Performance Optimization
- API Documentation
- Version Control Systems

LANGUAGES

- English (Fluent)
- Kiswahili (Fluent)

REFERENCES

Available upon request