

Adnan Obuya

Software Engineer

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From an early age, Adnan has been keenly aware of the stark contrast between the rapid pace of technological growth in urban environments and its limited reach in rural communities. This disparity, largely due to the lack of essential educational tools and resources, has fueled Adnan's passion for bridging this gap. As a seasoned UX/UI designer and software developer, Adnan is committed to advancing projects that drive technological innovation and enhance digital experiences for individuals across diverse socioeconomic backgrounds. His mission is to foster innovations that improve the quality of life in rural areas while contributing significantly to the nation's overall economic development.



Education

May 2024

Diploma in Software Engineering

Alx Africa - Nairobi, Nairobi Province, Kenya

Front-end Development

Advanced JavaScript, including ES6 syntax and asynchronous programming with promises.

HTML/CSS, JavaScript DOM Manipulation, REST API integration, data structure optimization, React.JS and Next.JS.

Back-end Development

Object-oriented programming, Python, building dynamic web pages with Django's Models, URLs and Views.

System Administration

Configuring web servers like Nginx and Apache for hosting web applications.

May 2020

High School Diploma

Chemelil Sugar Academy - Kenya



Skills

- Proficient in writing code for web development, data analysis and automation tasks for various programming languages like Python, C, C++.
- Advanced understanding of ES6+, DOM manipulation, and event handling for dynamic front-end development in JavaScript.
- Ability to fetch and manipulate data from SQL and NoSQL databases such as SQLite, Redis and MongoDB using their respective query languages and libraries.

- Experienced in designing and implementing APIs with a focus on security and scalability.
- Ability to effectively collaborate using Git/GitHub for version control.
- Ability to handle asynchronous operations and work with Http requests and responses.
- Ability to write clean code, debug, and test programs to meet business needs.
- Ability to use templates, views, and models to create dynamic and interactive web applications in Django.



Projects

Online Shopping Web App

Developed a robust online shopping platform allowing users to sign up, browse items, add to cart, and checkout.

Technologies Used: Flask (Back-end), HTML, CSS, JavaScript (Front-end).

Impact: Improved user engagement with a seamless, responsive UI and secure payment processing.

E-Library

Currently developing an e-library for users to access and review a wide range of books.

Technologies Used: Django (Back-end), React (Front-end).

Features: User sign-up, book ratings, and review systems integrated into a dynamic, interactive platform.

Custom Printf Function

Implemented a custom version of the printf function in C, enhancing understanding of low-level operations and memory management.

Technologies Used: C Programming Language.



Links

- <https://www.linkedin.com/in/adnanobuya-9bb70a289/>
- <https://github.com/Adnangad>