



# Adnan Gard Obuya

Software Developer

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## Summary

Adnan Gard Obuya is a skilled software engineer with a focus on back-end web development, front-end web development, system administration, scripting and automation, data structures and algorithms, databases, and dynamic libraries. He holds a Diploma in Software Engineering from ALX\_AFRICA, where he gained hands-on experience in object-oriented programming using Python, building web frameworks with Flask, and manipulating databases using MySQL. Adnan is proficient in JavaScript ES6 syntax, utilizing promises for asynchronous programming, and has experience with Node.js for server-side development. He is also skilled in system administration, configuring web services such as Nginx and Apache, and managing load balancers. Adnan's knowledge of scripting in Python and Bash allows him to automate tasks and optimize workflows. He has a strong understanding of data structures and algorithms, including manipulation of arrays and lists, binary trees, and stack operations. Adnan's expertise extends to manipulating databases using MySQL and developing dynamic libraries in C language. His educational background includes a Kenya Certificate of Secondary Education from Chemelil Sugar Academy. Adnan is seeking opportunities to apply his skills and contribute to the field of software engineering.

## Education

14/8/2023 - 9/9/2024

### Diploma in Software Engineering

ALX\_AFRICA

#### Back-end Web Development:

Object-oriented programming using Python.Using models, URLs and views to make dynamic web pages in Flask.

Writing test cases using python and Flask application.

Manipulating databases using MySQL and implementing object-relational mapping using libraries like SQLAlchemy.

Building web frameworks using flask, including route handling, request processing and template rendering.

#### Front-end Web Development:

JavaScript ES6 syntax for front-end logic and functionality.

Utilizing promises for asynchronous programming and DOM manipulation for interactive web pages.

Experience with Node.js for server-side JavaScript development.

#### System Administration:

Configuring web services such as Nginx and Apache for hosting web applications.

Setting up and managing load balancers to distribute incoming traffic effectively.

#### Scripting and Automation:

Writing scripts in Python and Bash for automating tasks and workflow optimization.

#### Data Structures and Algorithms:

Proficient in manipulation of arrays and lists for efficient data storage and retrieval.

Familiarity with binary trees including traversal algorithms and operations such as insertion, deletion and balancing.

Understanding of stack operations and their applications in algorithms and data processing.

#### Databases:

Experience in manipulating databases using MySQL and employing object-relational mapping techniques for seamless data interaction.

#### Dynamic Libraries:

Developing dynamic libraries in C language for modular and reusable code implementations.

10/01/2017 - 11/11/2020

### Kenya Certificate of Secondary Education

Chemelil Sugar Academy

## Socials

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<https://www.linkedin.com/in/adnan-obuya-gbb70a289/>

<https://github.com/Adnangad>

I graduated from Secondary school with a grade of B+.

## Personal Projects

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### AirBnB Clone

-I am currently working on my own full web application version of an AirBnB website that enables users sign in , book for places for accommodation and even write reviews.

[https://github.com/Adnangad/AirBnB\\_clone\\_v3](https://github.com/Adnangad/AirBnB_clone_v3)

### Simple shell

-Wrote my own full version of a Unix Shell system using only C language.

[https://github.com/Adnangad/simple\\_shell](https://github.com/Adnangad/simple_shell)

### Printf

-Created a unique function in C called print.This function does everything that the printf in C does

<https://github.com/Adnangad/printf>



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