

# Chigozirim Igweamaka

Back-end Software Engineer

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## CORE QUALIFICATIONS

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- Sound familiarity with using Linux, UNIX operating systems
- Good grasp of the OSI model, and sound familiarity using HTTP and WebSockets
- Firm knowledge of programming languages including Python, C, JavaScript, Bash, HTML, and CSS
- Profound creative and analytical problem-solving and troubleshooting skills
- Good familiarity handling web servers.
- Good verbal and written communication skills.

## PROJECTS

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**Praise A Barber** - <https://paber.netlify.app>, [https://github.com/iChigozirim/Praise\\_A\\_Barber](https://github.com/iChigozirim/Praise_A_Barber)

A web app aimed at helping people connect with barbers close to them.

- Collaborated with a teammate to design the backend architecture
- Developed backend services including APIs consumed by the frontend service
- Coordinated with teammates to design the models/schemas
- **Tech Stack:** Python, Flask, JavaScript, MySQL, Alchemy

**Airbnb Clone** - <https://www.miniairbnb.gq>, <https://github.com/iChigozirim/holbertonbnb>

Multi-month partner project that required recreating Airbnb's search and filter functionality.

- Developed REST APIs for Users, Places, and Reviews following MVC Architecture
- Automated 90% of the project's deployment with Python using Fabric module
- Implemented a console interpreter to perform CRUD operations on class instances of the program
- Developed a web terminal that serves the console interpreter on the front-end using Xtermjs API and WebSocket
- Wrote tests for the console interpreter and models using Python unittest.
- **Tech Stack:** Python, Flask, JavaScript, JQuery, MySQL, Alchemy, Nginx, Haproxy, Websocket, Git

**Simple Shell App** - [https://github.com/iChigozirim/simple\\_shell](https://github.com/iChigozirim/simple_shell)

A simple UNIX command language interpreter that reads commands from either a file or standard input and executes them.

- Developed command line interpreters in C which can set up the runtime environment to run a set of simple shell commands
- Implemented operation that processes a user's commands additionally, handles command arguments by dynamically allocating memory to store, split, and tokenizing user input
- **Tech Stack:** C, Bash, Linux, Git

**File Manager Platform** - [https://github.com/iChigozirim/alx-files\\_manager](https://github.com/iChigozirim/alx-files_manager)

A simple platform to upload and view files.

- Developed a REST API to store and retrieve files
- Implemented user authentication via a token
- **Tech Stack:** JavaScript, Express, MongoDB, Redis, Bull, and Node.js

## EDUCATION

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**Holberton-ALX School of Software Engineering** - 2021-2022

ALX is an online-based full-stack software engineering program that prepares students for careers in the tech industry using project-based peer learning. In the course of the program, I dealt with:

- Low-level programming, Data structures, and Algorithms - [https://github.com/iChigozirim/alx-low\\_level\\_programming](https://github.com/iChigozirim/alx-low_level_programming)
- Higher-level programming - [https://github.com/iChigozirim/alx-higher\\_level\\_programming](https://github.com/iChigozirim/alx-higher_level_programming)
- System engineering and DevOps - [https://github.com/iChigozirim/alx-system\\_engineering-devops](https://github.com/iChigozirim/alx-system_engineering-devops)
- Back-end software engineering

You can see my transcript [here](#).