# Chigozirim Igweamaka

Back-end Software Engineer

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## CORE COMPETENCIES AND TECHNOLOGIES

**Languages:** Python, C, NodeJS, Bash
**Frameworks/Tools:** Git, Flask, ExpressJS, Docker, Nginx
**Databases:** MySQL, MongoDB
**Skills:** Communication, Problem-solving, Time management, Debugging, Googling

## PROJECTS

**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 for CRUD operations and served it on the front-end using Xtermjs API and WebSocket
- Wrote Unittests for the console interpreter and models using Python.
- Deployed the app on two AWS EC2 instances (1 load balancer, 2 applications servers with a replication/master database setup)
- Tech Stack: Python, Flask, JavaScript, Jquery, MySQL, Alchemy, Nginx, Haproxy, Websocket, Git, AWS

**File Manager Platform -** http://54.144.2.187:5000/api-docs/, https://github.com/iChigozirim/alx-files_manager
A simple platform to upload and view/download files.
- Developed a REST API to store and retrieve files
- Implemented user authentication via a token
- Implemented background processing for generating image thumbnails and emailing users using a message queue system
- Wrote unit test for the app using Jest
- Tech Stack: JavaScript, Express, MongoDB, Redis, Bull, Node.js, Docker

**Praise A Barber -** https://paber.netlify.app, 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, SQLAlchemy

## EDUCATION

**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 gained expertise in:
**Low-level programming, Data structures, and Algorithms** - https://github.com/iChigozirim/alx-low_level_programming
- Developed a strong foundation in C programming language
- Implemented various data structures and algorithms
- Learned and practiced Linux and Unix system programming

**Higher-level programming** - https://github.com/iChigozirim/alx-higher_level_programming
- Proficiently coded in Python and JavaScript
- Utilized object-oriented programming to solve code challenges
- Practiced test-driven development
- Modeled databases and built CRUD applications

**System engineering and DevOps** - https://github.com/iChigozirim/alx-system_engineering-devops
- Learned Bash and automated tasks through the creation of Bash scripts
- Studied the OSI model and various Linux networking tools.
- Configured a distributed system - two web servers and one load balancer - for the deployment of my AirBnB project using Nginx, HAProxy, Certbot, UFW, and MySQL.

**Back-end software engineering -** https://github.com/iChigozirim/alx-backend
- Advanced my Modern JavaScript skills, including expertise in Typescript and NodeJS
- Wrote unit tests in JavaScript using Jest
- Improved my Python skills, including the use of variable annotations, asynchronous operations and integration tests
- Applied pagination, caching, NoSQL, and queuing systems in JS, and gained a foundational understanding of Redis
- Developed the ability to implement basic and session authentication and built a user authentication service

You can see my transcript here.

# REFEREE

**Maarten Van Middelaar**

Technical mentor at Holberton-ALX School

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