

# AKINWUNMI OLUWASEUN O.

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## CAREER OBJECTIVE

To use my software development skills to create value and build innovative solutions that will power the future.

## SKILLS AND ABILITIES

### Technical Skills

- Experience building solutions with Typescript, Python, Java, C#, PHP, HTML5, CSS3.
- Design and Development of Microservices using DDD, OOP and Functional Programming principles.
- Backend Development using NodeJS frameworks, Django and Spring Boot.
- Extensive Experience working with SQL and NoSQL databases.
- Experience managing and deploying solutions on AWS, GCP and Heroku Cloud environments.
- Devops on Linux servers using Docker, Kubernetes.
- Experienced setting up CI/CD pipelines with Gitlab CI, Jenkins, Ansible.
- Data Analysis using Numpy, Scipy, Jupyter notebooks.
- Experienced working remotely with the Agile methodology.

### Personal Skills

- Knowledge of key Software engineering principles
- Ability to learn and understand new concepts fast.
- Effective use of Initiative and Problem Solving Skills.
- Ability to conduct Research, Analyze and Collect relevant information in a time effective way.
- Good Communication Skills (Written and Oral).

## EXPERIENCE

- **Software Engineer at Chaka Limited** **February 2019 – September 2020**
  - Worked on developing the backend for a stocks trading platform ([chaka.ng](https://chaka.ng)) for trading stocks listed on the NYSE, NASDAQ and the NSE using the PEVN stack.
  - Participated in the planning, ideation and development of the MVP
  - Integrated different external REST API's in a resilient manner
  - Integrated and Created APIs for websites using Selenium.
  - Setup deployment pipelines for different systems on Amazon EC2 and S3 using Jenkins
  - Worked on migrating the codebase from Javascript to TypeScript.
  - Development and Development of Hotfixes for critical production bugs
  - Worked on an Enterprise version of the Backend using Java Spring and MSSQL.
  - Created and Implemented user stories using Agile Methodologies
  - Participated in sprint meetings and daily SCRUM.
  - Supported Customer care representative and Operations in fixing customer issues
  - Collated and Analyzed data for Operations using Mixpanel, Excel, Pandas e.t.c.
  - Technologies used: TypeScript, Postgres, Express Framework, Selenium, Redis, EC2, S3, RDS, Gitlab, Terraform, Ansible, Jenkins, EC2, NGINX, Java Spring, MSSQL, Trello, Papertrail, ELK stack

- **Fullstack Software Engineer at Citiserve Limited** **August 2018 – September 2020**
  - Built the API backend and Progressive Web App for a Field Management App using Django and Vue.
  - Deployed and managed the Backend on GCP Compute Engine and Cloud SQL
  - Setup CI/CD using gitlab for the API Backend and Netlify for the frontend
- **Software Developer at ngDecides polls** **April 2018 – August 2018**
  - Built a PWA using vanilla JS
  - Worked on a Election polling solution using Django Framework
- **Instructor at IEEE Unilag programming classes** **May 2017 – September 2017**
  - Taught Python programming language to beginners
  - Taught web development using the Python Flask framework
- **IEEE Extreme Programming Competition** **October 2015**  
University of Lagos, Lagos, Nigeria.  
4th Place, Nigeria Region.
- **Litter Detection and pickup robot (Final Year Project)**  
A litter pickup robot that can detect and pickup Plastic bottles in a mapped indoor environment.  
Worked with the Robot Operating System (ROS), OpenCV and other Computer Vision Libraries.
- **Graph Plotting Windows Desktop Application**  
I developed a Windows Application using the Windows Forms and the C# programming language, the program could draw a graph data structure using data inputted by the user. I implemented an algorithm to draw the graph no matter how large the data input. The program could also draw Binary Search trees using depth-first, breadth-first or best-first algorithms.
- **Kryptic Code Game**  
The game is a variation of the Mastermind board game written in C# using Windows Forms in which two players compete to crack each other's 4 digit code in the fastest time possible using hints which tells you if the digit entered is in the code or not and if it is in the right place. I developed an AI to play in the single player mode that can successfully crack a code in a reasonable time to compete like a human player.

## EDUCATION

- **Data Science Nigeria Bootcamp Completion Certificate** **October 2017**  
Data Science Nigeria Bootcamp
- **B.Sc. Systems Engineering** **2012 – 2017**  
University of Lagos, Lagos Nigeria.  
COURSEWORK: Programming Languages, Algorithms and Data Structures, Robotics, Artificial Intelligence, Game Theory, Modelling and Simulation, Special Analytical Techniques, Electronics Fundamentals, Operations Research, Industrial Engineering, Engineering Materials, Control Theory, Differential Equations, Technical Communications, Applied Statistics ...
- **MICROSOFT CERTIFIED PROFESSIONAL** **May 2010 – April 2011**  
NIIT Abeokuta Centre, Nigeria.

## INTERESTS

Artificial Intelligence, Data science and Machine learning, Computer vision, Blockchain, Stocks Trading Psychology, Technology, Start-up Entrepreneurship, Economics, Fitness, Competitive Programming, Creative Writing, Chess, Science-Fiction.