

# ADESANMI DAYO

## PRAISEGOD

SOFTWARE ENGINEER

### CONTACT

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### SKILLS

System and Software Designing  
Software Engineering  
DevOps Engineering  
Data Analysis and AI  
Agile Methodology  
Clean Code

### EDUCATION

**B.Sc Computer Science**

**Federal University Oye Ekiti.**

2018-2022

I am a graduate of Computer Science with a very good grade at Federal University Oye-Ekiti, Ekiti State. Nigeria.

**Software Engineering**

**ALX SE Program**

2022-2023

Also a graduate of No 1 online Software Engineering Program (ALX).

### LANGUAGES

English

Yoruba (Native)

French

### PROFILE

Experienced Software and Cloud Engineer with a strong background in backend API development and cloud computing. Leveraging my skills in Software Design and Engineering, DevOps Engineering, Data Analysis, and Machine Learning to contribute to innovative projects. Eager to collaborate with diverse teams and continuously learn and adapt to new technologies.

### WORK EXPERIENCE

#### Backend & DevOps Engineer

At **Bridgewaters Foundations**

2020-2023

- I developed RESTful APIs using Django Rest Framework (DRF) to handle various client-server interactions, meeting project requirements and deadlines.
- I designed and maintained database models using Django ORM, ensuring efficient data storage and retrieval.
- I utilized Django's admin interface to easily manage application data by non-technical staff.
- I integrated third-party APIs and services into the Django application to extend its functionality.
- I implemented asynchronous task processing using Celery and RabbitMQ to handle long-running tasks without blocking the main application.
- I implemented custom middleware and decorators to add cross-cutting concerns such as logging, request/response manipulation, and error handling.
- I optimized database queries and application performance by analyzing query execution plans and using caching mechanisms.
- I collaborated with front-end web and mobile developers to design API endpoints that meet the requirements of the front-end applications.
- I utilized Git for version control, following best practices such as branching, code reviews, and continuous integration. I have conducted code reviews to ensure code quality, maintainability, and adherence to coding standards.
- I wrote comprehensive unit tests and integration tests using Django's test framework and tools like pytest to ensure the reliability of the codebase.
- I documented API endpoints, data models, and development processes for internal reference and external API consumers.
- I Implemented DevOps best practices to automate deployment processes to improve overall project efficiency.
- I designed and maintained CI/CD pipelines using Jenkins, GitHub actions, and similar tools to automate the build, test, and deployment processes, reducing manual intervention and accelerating time-to-market.
- I orchestrated containerized applications using Docker and Kubernetes, automating deployment, scaling, and management of microservices architecture.
- I collaborated with cross-functional teams to design, implement, and deploy cloud solutions such as AWS, MS Azure, Digitalocean, etc.
- I stayed updated on emerging technologies and industry trends in DevOps and cloud computing, continuously evaluating and adopting new tools and practices to enhance productivity and effectiveness.

## WORK EXPERIENCE

### Tutor and Managing Director

At OIC Hub Coding School Osogbo

2023-2024

- Managed administrative tasks such as enrollment, scheduling, and budgeting to ensure the smooth operation of the coding school.
- I managed a team of instructors and teaching assistants, overseeing their performance and providing support and feedback as needed.
- I mentored and guided students on coding techniques, problem-solving strategies, and career development.
- Developed and implemented a curriculum for coding courses, ensuring alignment with industry standards and best practices.
- Stayed updated on the latest trends and technologies in the coding industry, continually refining the curriculum to keep it relevant and effective.
- I facilitated discussions and group activities to promote peer learning and collaboration among students.
- I developed a comprehensive curriculum and teaching materials covering various aspects of data science, including statistics, machine learning, data visualization, and big data technologies. Also mentored students through the process of exploratory data analysis, feature engineering, model selection, and evaluation, guiding them toward effective problem-solving strategies.
- Designed hands-on projects and exercises to reinforce theoretical concepts and provide practical experience with real-world datasets.
- I utilized popular data science libraries and frameworks such as NumPy, Pandas, Scikit-learn, TensorFlow, and PyTorch to demonstrate key concepts and techniques.
- Participated in industry conferences, seminars, and professional development activities to expand knowledge and skills in coding education and management.

## SKILL SETS

- Python Programming Language
- Django
- Django Rest Framework (DRF)
- Flask and FastAPI
- SQLAlchemy (for ORM)
- Celery (for asynchronous task processing)
- Redis (as a broker for Celery)
- Git (version control)
- Pytest (for unit testing)
- PostgreSQL MySQL (for database management)
- Docker (for containerization)
- Kubernetes (for container orchestration)
- Nginx (as a web server)
- Jenkins, GitLab CI/CD, Travis CI, GitHub actions (for CI/CD)
- Jupyter Notebook or JupyterLab (for interactive data analysis)
- NumPy, Pandas, and Scikit-learn (for data manipulation and machine learning)
- SQL or NoSQL databases (for data storage and retrieval)
- AWS, Google Cloud Platform, or Microsoft Azure (for cloud infrastructure)
- Ansible, Chef, or Puppet (for configuration management)
- Bash scripting (for automation)
- Slack, Microsoft Teams, Google Meet (for communication and collaboration)