

## Contact

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## Top Skills

Scalability

Database Management System (DBMS)

Azure Kubernetes Service (AKS)

## Languages

Arabic (Native or Bilingual)

English (Professional Working)

# Abdelaziz Hassan

Linux System Administrator | Junior DevOps Engineer  
Egypt

## Experience

### ATHER TEAM

#### VOLUNTEERING instructor

Working to help my classmates to learn the difference between Linux distributions.

Guided students through Red Hat Administration I and II.

### Digital Egypt Pioneers Initiative - DEPI

#### Intern

April 2024 - Present (5 months)

Egypt

### Github

1 year

#### Maat-System (Graduation Project)

2024 - Present (less than a year)

Developed an advanced DevOps system including continuous deployment, infrastructure orchestration, and automated pipelines with Kubernetes and Jenkins.

#### Infrastructure Provisioning.

Defined and provisioned Azure Kubernetes Service (AKS) resources using Terraform to ensure scalable and consistent infrastructure.

Developed Dockerfiles for Django backend and Flask frontend applications to containerize the code for better portability and scalability.

Created a Dockerfile for NGINX to serve as a reverse proxy and handle static files for the Django application.

Wrote Kubernetes deployment and service YAML files for the Django and Flask applications, enabling seamless deployments.

Configured persistent volumes and claims to manage static files and ensure data persistence.

Utilized Kubernetes Secrets to securely manage sensitive information and environment variables.

Using tools: Terraform, Jenkins, Docker, Kubernetes, NGINX

### DBMS

2023 - Present (1 year)

Bash Shell Script Database Management System (DBMS).

The Project aims to develop DBMS, that will enable users to store and retrieve data from Hard disk.

The Application will be CLI Menu based app, that will provide to user Menu items.

User can create a database, list databases, connect to databases, and drop a database.

User can Create, list, and drop database tables.

Insert, select, delete, and update table data for analysis and reporting.

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## Education

Sohag University

Associate's degree, Computer and Information · (August 2020 - September 2024)

Sohag University

Bachelor, Computer Science · (June 2020 - 2024)