

# Ahmed Shehta

Backend | DevOps Developer

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 Egypt

## PROFESSIONAL SUMMARY

DevOps and Backend Engineer with 2 year of experience in deploying and develop web applications, designing RESTful APIs, and managing cloud infrastructure. Proficient in Docker, CI/CD, and Python automation. Reduced hosting costs by over 85% through infrastructure migration. Strong collaborator with a focus on efficiency and scalability.

## EXPERIENCE

Backend Developer | Tatbeek | Hybrid | Egypt

 02/2024 - now

As a DevOps and Backend Engineer, I've contributed to building scalable infrastructure and backend systems that streamline deployment and optimize cost efficiency. My experience includes managing virtual environments, designing APIs, and implementing automation processes to enhance performance and reduce overhead.

- Built and maintained virtual machines to support scalable and reliable deployment environments.
- Deployed and managed web applications through optimized CI/CD pipelines.
- Utilized Docker for containerization, ensuring consistent development and production environments.
- Managed relational databases with PostgreSQL, Used Git for version control.
- Automated report generation processes using Python, improving reporting speed by **40%**.
- Migrated hosting from Azure (dedicated server) to Hostinger (VPS), reducing monthly hosting costs from **\$87** to **\$10**.
- Separated the database from the application server to enable horizontal scaling , reducing CPU and memory load on the app server by **50%**

## TECHNICAL SKILLS



### Programming Languages

Python (Advanced)

Java (Advanced)

JavaScript (Intermediate)



### Frameworks & Tools

Flask

Django

Nginx

Git / Github

Postman

Docker

Bootstrap



### Database

Postgres

MySQL

MongoDB

Azure Cosmos DB



### Software & Platforms

Azure Cloud

Ubuntu

Pycharm

Visual Studio

## EDUCATION

Bachelor of Computer Science and Information System

Ain Shams University

Grade : Very Good



2018-2022

# PROJECTS

## Seamless Flask Deployment - Personal

📅 Jan.2025/ Jan.2025

**Tech Stack:** Flask, Python, GitHub Actions, Azure VM, uWSG, Dockerl

- Developed a Flask application with continuous integration and deployment (CI/CD) using GitHub Actions, uWSGI, and Nginx.
- Configured production-ready deployment for high performance and reliability.
- Conducted performance testing using Apache Benchmark

## E-Commerce APP - Personal

📅 Aug.2024 / Sep.2024

**Tech Stack:** Flask, Python, SQLAlchemy, HTML, CSS, Bootstrap, JavaScript

- a web application for product transactions, focusing on efficiency and security best practices.
- Implemented authentication and authorization .
- Designed and managed a complex relational database structure to optimize data storage, retrieval (Object Relational Mapper)
- Applied Object-Oriented Programming (OOP) principles throughout the project, ensuring modular, scalable, and maintainable code.

## News Paper Web App - Personal

📅 May.2025 / May.2025

**Tech Stack:** Django, Python, SQLite, HTML, CSS, Bootstrap

Developed a news web application using DjangoThat allows users to:

- Create, edit, and publish articles , Add comments to specific Article
- Register, log in , and manage user accounts.
- Styled with Bootstrap for responsive design
- Deployed locally for testing and development.

Key Features:

- Admin dashboard for content and user management.
- Using ORM over CRUD operations for articles.
- User authentication and authorization.
- using Class Based View

# SOFT SKILLS

- Strong written and communication skills for documentation and presentations
- ensures getting work done efficiently and effectively — and on deadline
- adapt swiftly to new tools and technologies
- Problem-solving mindset and ability to work efficiently under deadlines.

# PROBLEM SOLVING &ALGORITHMS


- Solved 300+ algorithmic problems on platforms like LeetCode, HackerRank .
- Proficient indata structures: Arrays, Linked Lists, Trees, Graphs, Hash Maps, Stacks, Queues.
- Applied algorithms such as BFS, DFS, Dynamic Programming, Sorting, Greedy.
- Demonstrated problem-solving skills in backend (e.g., database optimization, automation scripts).

# LANGUAGE


Arabic - Native

English - Fluent

# REFERENCES

 <https://www.linkedin.com/in/ahmedshehta/>

 <https://www.hackerrank.com/profile/ahmedshehta0123>

 <https://github.com/developer-ahmed-shehta>