

# Yahia Ahmed

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## Contacts

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- Github: <https://github.com/yahias123hawkyy>

## Work Experience

### Mobile Applications Developer using Flutter | 10/2020 - 02/2021 | Override Software House | Cairo, Egypt

- Creating User Interfaces and widgets following UI/UX Designs templates.
- Implementing business logic and handling Restful APIs.
- Worked on different types of mobile applications including E-commerce apps, Education apps and Social networking apps.

### Mobile Applications Development Head | 09/2020 - 03/2021 | Vision Organisation | Cairo, Egypt

- Teaching fresh students an Introduction to Computer Science including the needed fundamentals to start in the career (Programming, Data structures & Algorithms, OOP).
- Teaching them Dart programming language basics and Flutter and guiding them for the fundamentals of creating mobile applications.

## Skills

Data Structures and Algorithms, Object Oriented Design, SQL/NoSQL, C - Python - Dart, Java, GitHub, Linux, PowerShell, Bash, Git, Ansible, AWS, Kubernetes, Terraform, Jenkins, Flutter, Gitlab CI/CD, CSS, JavaScript, HTML5

## Personal Projects

### 1. A continuous Delivery of a Java Application with Ansible, Jenkins and AWS:

- Implemented a Continuous Delivery pipeline using Ansible and Jenkins to automate the deployment of a web application to AWS EC2 instances.
- Configured Ansible for application deployment, server provisioning, and configuration management, providing a single source of truth for all infrastructure-related tasks
- Integrated Git with Jenkins to trigger builds and deployments whenever new code was pushed to the repository.

### 2. Project Containerization using Docker, Kubernetes, ECS:

- Containerized a web application using Docker, allowing for efficient deployment and scaling.
- Utilized Kubernetes for container orchestration, managing the deployment, scaling, and management of containers.
- Deployed the containers to AWS ECS, taking advantage of its scalable infrastructure and managed services.
- Used Docker Compose to define the application's services and their dependencies, simplifying the deployment process.'

### 3. A full creation and provisioning of web application infrastructure using Terraform, AWS, Jenkins:

- Defined infrastructure as code, using Terraform configuration files to specify resources, dependencies, and configuration.
- Utilized AWS as the cloud platform, taking advantage of its scalable infrastructure and managed services.
- Integrated Terraform with Git and Jenkins to trigger infrastructure updates whenever changes were pushed to the repository.

### 4. Food Delivery Application github project link: <https://github.com/mohamedkx77/food-delivery-flutterapp>.

**5. E-commerce Mobile Application** github project link: <https://github.com/yahias123hawky/e-commerce-shop-application>.

## Education

**Data Analysis and Information Engineering | University of Messina | 04/2024 | Messina, ME**

Current GPA: **3.6/4.0** [Excellent]

**Software Engineering | Technical University of Vienna | 06/2023 | Vienna, Wien**

Erasmus+ exchange student at the Technical University of Vienna.

## Extracurricular Activities

- IT Department Vice Head at Vision Student Organization.
- Technical Member at Microsoft Student Partner
- Member at Erasmus Student Network
- Meals Dispenser at Resala Charity Organisation.
- Mobile Apps Development team member at IEEE student activity
- Technician at Google Student Developer Club

## Languages

English (Fluent), Italian (B1), German (A1), Arabic (Fluent)