

Youssef Alsaeed

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Education

Software Engineering, Faculty of Computers and Artificial Intelligence, Cairo University 2020 – present
Senior student, **3.6 GPA** (Excellent)

Professional Experience

Link Development, Java Developer intern 📁 07/2023 – 10/2023
Cairo, Egypt
During my Java Backend internship,

- I developed a **Spring Boot** component for receiving logs from clients and ensured log accuracy through validations before storing them.
- I was also responsible for integrations with **Kafka** and **ELK** stack for enhanced log management.
- I was responsible for providing security with **OAuth 2.0** and **keycloak** for **SSO**.
- I was responsible for containerizing the services using **docker**

Skills

Programming languages

C++ | C# | Java | Python

Testing

Unit tests (Junit) | Selenium | Debugging | Jmeter

Technologies

Apache Kafka | Elastic search | Logstash | Kibana |
SonarQube | Swagger | Postman

Quality Control

Jira | Trello | ClickUp

Security

Keycloak | Red hat SSO | Spring Security

Backend Technologies

Spring Boot | Java EE | Rest Api | ORM | .NET

Concepts

OOP | Algorithms | Data structures | SOLID | Design
patterns | Agile methodology | Problem-solving

Version Control

Git | Github

Database

MySQL | MS SQL Server

DevOps Tools

Docker | Podman | Kubernetes | OpenShift | Jenkins |
Linux

Projects

Fawry System

Application similar to fawry to manage online payments, Utilizing **spring boot**, **Rest Api**.

Clinic Reservation System

The Clinic Reservation System is a **Node.js**, **MySQL**, and **Angular** application that caters to doctors and patients. It utilizes **Kafka** for event-driven messaging, is containerized with **Docker** for scalability, and deployed on **OpenShift** for robustness. This system streamlines clinic operations, enhancing efficiency and user experience.

Food Ordering Platform

Developed a food ordering platform with distinct functionalities tailored to the roles of restaurant owners, delivery personnel, and customers. Used **Java EE** for **persistence** and **security**, utilizing **Hibernate DB** for database management. Developed the platform's frontend using **JavaScript** and **HTML (JSP)**. Successfully deployed the application on **JBoss** server.

Learning Management System Microservices

Developed a microservices-based learning management system with a database-per-service pattern, leveraging **Spring Boot** and **Java EE** beans. Implemented a comprehensive frontend using **Vue.js**, enabling full functionality for admins, instructors, and students. Containerized all services and databases with **Docker** for seamless deployment.

Courses

Red Hat OpenShift Developer I: Introduction to Containers with Podman 4.10	01/2024
Red Hat Application Development I: Programming In Java EE 7.0 (AD183)	05/2023
Red Hat System Administration (RH124)	12/2022

Activities

SCCI - TechSolve team member

Technical skills - Worked on coding functionality for Arduino with various sensors.

Soft skills - Ability to work independently and as part of a team, strong communication, and presentation skills.