Sherif Emad Taha

Software Engineer

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About me

Software engineer with 3+ years of experience in developing software. Skilled in a range of programming languages, including Java, typescript, and C++, and well-versed in software development methodologies such as Agile and Scrum. Intermediate problem-solving and good communication skills, able to work effectively in both team and individual settings. Passionate about staying up-to-date with the latest technology trends and using that knowledge to drive business success.

Education

Cairo University

Faculty of computer science and artificial intelligence   2019 - Present

Certificates

Red Hat System Administration I (RH124)

Red Hat Application Development I: Programming in Java EE (AD183)

Technical Skills

Programming in javaEE 7.0	**Intimate knowledge of relational database**
Red Hat Linux system administration	**Good knowledge of data structures**
Good knowledge of design patterns and design principles	**Intimate knowledge of algorithm analysis**
Good knowledge of object oriented programming	**Intimate knowledge of software architecture styles and views**
Intimate knowledge of SOA and web services using RESTful APIs	
Intimate knowledge of software manual and automated testing	**Intimate knowledge of containerization using docker and podman**
Intimate knowledge of kubernates and openshift	**Intimate knowledge in PHP development**

Technical Tools

Spring Boot	**Jboss**
HTML	**CSS and Bootstrap**
Angular	**Postman**
RESTful services	**MYSQL**
JUnit and Selenium	**C++**
Python	**Docker**
Podman	**GIT**
Trello	**Jira**

Undergraduate Projects

Trips Scheduling

A full stack project Using MSQL database, Spring Boot back end and Angular front end. Project is containerized using Dockerfiles and images are pushed to docker hub and deployed to openshift using yaml files.

go to bus

Using Jboss back end and in-memory database to develop RESTful APIs to create users, stations, and trips.

Hotel management system

Hotel management system using design patterns.

Multi-threading router and devices simulation

Using Java synchronization and threads to make a simulation of router and devices using semaphores

Client-server chat

Single client server chat using Java sockets

Simulating recursion

Simulating recursion using stack of calls implemented in C++

Simulating polymorphism

Simulating polymorphism using virtual tables implemented in C++

Summer internships and volunteer Services

BanqueMisr Summer Internship program "Rowad 2022"- IT department

Trainee   Aug.2022

ECPC   *AAST*

Contestant   Aug. 2021

ECPC   *AAST*

Contestant   Aug. 2022

Personal

In addition to technical skills, the software engineer possesses strong personal skills, including:

1. Collaboration: able to work effectively with teams or individually.

2. Communication: clear and concise in both written and verbal communication, able to explain complex technical concepts to non-technical stakeholders.

3. Adaptability: quick learner and able to adapt to new technologies and changing project requirements.

4. Problem-solving: creative and analytical, able to identify and solve complex problems.

5. Leadership: confident and capable of leading projects.

6. Attention to detail: meticulous and thorough, ensures high-quality software is delivered with minimal bugs.

7. Passion for technology: self-motivated and always seeking to expand their knowledge and stay up-to-date with the latest advancements in the field.