

Work Experience

Back-End Developer at Solutions by 42

Cairo, Egypt
January.2024 – Present (Full-time)

Tech Stack:

Spring Boot · Spring Security · Java 11 · Swagger · Design Pattern · Postgres · Unit test

Responsibilities:

- Analyzing and understanding project requirements and designing efficient software solutions using Spring Boot.
- Implementing, testing, debugging, refactoring and optimizing code.
- Building clean code and managing Git.
- Participate in code reviews and provide constructive feedback to peers.
- Implementing design pattern such as (Observer and State) Pattern.
- Design flowcharts to illustrate software solutions.
- Building Database design ERD.
- Write optimizing query.

Full-stack Developer at MD Labs

Cairo, Egypt
January.2023 – Dec. 2023 (Full-time)

Tech Stack:

Spring Boot · Spring Security · React JS · JavaScript · Java 8 · MySQL · Jhipster

Responsibilities:

- Backend and frontend enhancements and development new features.
- Create Spring Boot APIs to fetch data from MySQL.
- Use spring security (CORS and CSRF) to prevent App attacks.
- API integration with different payment methods.
- Provide support to existing and legacy projects by aligning with testers and fixing bugs and increasing code speed execution.
- Building UML Diagram
- Leadership of student intern.

Software Developer at Anyware Software

Cairo, Egypt
Feb.2021 - May.2021

Tech Stack:

Internet of Things (IoT) · User Experience (UX) · JavaScript · Flutter · C++ · Node.js · Dart

Project:

(IFreeze) It's a mobile application linked to hardware component to monitor fridge functionality.

Responsibilities:

- Developed mobile application by flutter framework it was a real time database using Bloc pattern.
- Developed (IoT) hardware component using ESP 8266 , Magnetic door sensor and Temperature sensor To check the door of the fridge and temperature.
- Developed backend APIs and cloud functions by Node JS to the hardware component for sending data to the server.

Education

Cairo University, Faculty of Computers and Artificial intelligence.

Cairo, Egypt

Bachelor of Information System and Decision Support.

Sep.2017 - Jun.2021

Graduation Project [\[GitHub\]](#)

Grade: Excellent (A+)

Tech Stack: Flutter . Dart . Python . Flask . Provider . recommendation System

Project: (MovyRek App) A mobile app, it depends on both Machine learning and data mining techniques to recommend similar taste movies to each specific user.

Side Projects

Implementation of Microservices [\[GitHub\]](#)

Tools: Java . Microservice . Spring boot . Spring Cloud . Service Discovery . Load Balancer .
API Gateway . Postgres . Docker

Picture Publishing Service [\[GitHub\]](#)

Tools: Java . Spring Boot . Spring Security . Hibernate . Postgresql . MVC . Repository Pattern .
Dependency Injection . Unit Test

Features:

- Website where registered and logged in users can upload pictures for acceptance or rejection.
- An administrator will login and review all submissions.
- Accepted pictures will be assigned to a URL which can be accessed by all users (without login).
- Rejected pictures removed but the metadata remains.

Burger Order [\[GitHub\]](#)

Tools: Java . Spring Boot . Spring Security . Hibernate . Postgresql . MVC . Repository Pattern .
Dependency Injection

Features:

- Developed backend allowing customer to list, add, delete and update order.
- Admin can list, add, delete and update orders, items and customers.

CRUD Operation (API)

Tools: Kotlin . Spring Boot . Hibernate . MySQL . MVC . Repository Pattern . Dependency Injection

Features:

- Developed backend allowing user to create, get, update and delete player from MySQL database.

Skills

Programming Languages:

Java (Intermediate), JavaScript (Intermediate), Kotlin(Intermediate), C++ (Beginner), SQL(Intermediate), HTML, CSS.

Technologies:

Spring Boot, Spring Security, React JS, MVC, Microservices, Hibernate, NoSQL, SQL.

Tools & Concepts:

OOP, SOLID, Design Pattern, REST, Git, MySQL, Postgresql, Docker, Unit Test, Jhipster, Agile/Scrum, AWS, Jira, TDD, Authentication and Authorization mechanism(JWT).

Data Structure & Algorithms:

Knowledge of Data Structures – Algorithms & Practice on [Leetcode](#).

Languages:

Arabic (Mother Tongue) – English (Advanced) – German (Beginner)