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| Adam Jardali | |  |  | | --- | --- | | Lebanon |  | | (961)76097305 |  | | [adam.jardali@lau.edu](mailto:adam.jardali@lau.edu) |  | |

4th Place Ranked in LCPC 2022

Junior Backend Engineer

3rd Year Computer Science Student

Regional Competitive Programmer

ACPC Participant

CS Tutor

# Skills

* Knowledge in Python, C++ and Java
* Knowledge in python frameworks: FastAPI, Django and Flask
* Basics of HTML, CSS, and JavaScript.
* Basics of React Native
* Git/GitHub
* GraphQL
* Design Patterns
* Postgres, Mongo DB, MySQL, Redis, and RabbitMQ.
* AWS Cloud
* Docker
* Microservices and API Design and implementation
* Data Structures and Algorithms
* Multithreading

# Projects

##### Social Media APP + Documentation + Implementation

<https://github.com/adamjardali/Social-Media-APP>

It was a group project. We did the best practices of SWE to implement a social media similar to Facebook. First, we collected the requirements. Then we did the UML diagram, activity diagram, use case diagram, ER diagram… Then we implemented the project backend as a REST API. We connected to a database and used the best practices of FastAPI (design patterns, Authentication, Authorization…) in the implementation. The user can make CRUD operations on the posts/Like/Comment. We used JWT for authentication and resource authorization. We used the repository pattern to make the code reusable and easier to update.

##### Social Media APP + GraphQL + Alembic

<https://github.com/adamjardali/FastAPI-GraphQL>

In this project my main goal was to do apply a project with GraphQL. I created a social media app with 6 entities. I used Alembic to do the database migrations. I used GraphQL instead of REST and applied basic CRUD operations. I used the best practices when designing a FastAPI project.

##### To DO APP Microservices + Redis

<https://github.com/adamjardali/FastPI-Microservices-To-do-app-Redis/tree/main/app>

In this project I wanted to apply a project using the microservices approach. I created 2 entities and connected them to Redis. I used Redis stream to connect between them. A user can activate him self and add tasks then apply basic CRUD operations on the tasks.

##### Restaurant System Mobile APP With React Native

<https://github.com/adamjardali/Resturant-APP-React-Native>

It was a team project. Restaurant menu app that allows you to add items to your cart from different restaurants and pay for every restaurant alone (the payment is not implemented yet), also you can save the restaurants to your favorites and check them in another page. The login, register and logout are fully functional and managed by firebase

##### Designed And Implemented a Car Rental System Database.

<https://github.com/adamjardali/Car-Rental-System-ER>

This Was a team work project at university. We designed a database for a car rental system company which has +15 entities, applied Oracle SQL for the implementation, and used the best practices to design a database (with normalization).

# Education

### **September 2021-Present**

### 3rd Computer Science Student at LAU.

# Achievements

* 4th place in the LCPC 2022
* +600 problems solved in Codeforces (User: Adam\_Jardali).