Ahmed Hanafy
Junior Software Developer

Senior Computer Science student built several projects with different programming languages and interested in problem solving, cyber security, building software and learning new technologies

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github.com/ahmeddrawy ⌭

WORK EXPERIENCE

Intern/Software Engineer
Trackxy.com

02/2021 - Present   *Remotely*

We're a startup that provides tracking system as a service

Achievements/Tasks

- Helping in developing the backend API using **Laravel** PHP framework, **Postgres** database, and **Docker** containers

Contact: Mohammed Kamal - https://www.linkedin.com/in/foxawy/

PROJECTS

Built Node-js Restful API for online course platform (08/2020 - Present) ⌇

- Built a **RESTful API** for an online course platform including CRUD operations using **Node Js**, **express** and **mongo database.**
- Used **role-based authorization** and **JWT authentication.**
- Used **single responsibility** principle to separate the **models**, **middlewares** and **routes** from main application.

Hotel booking web application (11/2020 - 01/2021)

- Used Java **servlets**, **JSPs**, **Mysql** database, and javascript to develop a Hotel booking web application that has Admin dashboard and allow user to have a profile, reserve rooms in hotels and review hotels
- Used Java Mail to send verification mail using **STMP** protocol
- Used Map box API to add search with Geo location
- Used **three layers architecture** to help in decouple the different application layers and enhance code usability

Bully Algorithm Simulation (11/2020 - 11/2020) ⌇

- Used **peer to peer** architecture and **java socket programming**, interprocess communication-message passing- without using threads or interprocess communication libraries to simulate Bully Algorithm used in **Distributed computing**

Online shop API ⌇

- Collaborated in developing a **REST API** for an online shopping system using **Java**.
- Used **scrum** methodology.
- Used **design patterns** and applied software engineering principles.

Server/Client Memory Game ⌇

- Used **socket programming** , **multi threading** and **Java swing** to implement Server side and Client side memory game.

EDUCATION

Bachelor Degree
Faculty of Computers and Artificial Intelligence, Cairo University

09/2017 - 06/2021   *GPA 3.51/4.0*

Relevant Coursework

- Software Engineering and Design patterns
- Algorithms and Data Structures
- Advanced Operating Systems
- Parallel Processing

SKILLS

Design patterns · C++ · Java · Python · Javascript · Node JS · Mongo db · Problem Solving · Git · REST APIs · SQL · typescript · Algorithms and Data structures · PHP · Docker · Linux · Object Oriented Programming

ACHIEVEMENTS AND PARTICIPATIONS

5th place out of 30 teams in FCAI Collegiate Programming contest (09/2019)

Qualified to ACM ACPC (Arab and Africa Collegiate Programming Contest) (12/2019)

Solved more than 600 algorithmic problems on different competitive programming platforms ⌇

Solved various Capture The Flag challenges for web application security, reverse engineering and Linux security

INTERESTS

Software Engineering · Cyber Security · Artificial Intelligence · Reading · Problem solving