Ashraf Gehad Yehia

Full Stack Web Developer

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Summary

- Full Stack Web Developer with 2 years of hands-on experience building, designing, and securing web applications using Python and JavaScript.
- Proven ability in creating, documenting, and testing nodeJS REST APIs. Built different projects based on TDD and API-Design first approaches.
- Have decent knowledge in web application penetration testing and I got listed in many companies' security researchers halls of fame like Intel, Ford, Ikea,...

Education

Software Engineering major, Computer Science   2017 - 2021

Kafr Elsheikh University - GPA: 3.5

Studied computer science courses like Object Oriented Programming (OOP), Data Structure, Algorithms, Design patterns, Architecture design, SQL.

Skills

- **Programming Languages:** Python, JavaScript, C#, Bash,
- **Computer Science:** OOP, Data Structure, Algorithms, Design Patterns, Architecture design.
- **Back-End:** Nodejs, Django
- **Front-End Frameworks:** React.js
- **Databases:** Postgres, MongoDB, MySQL
- **Front-End Technologies**: HTML, CSS, SASS,Bootstrap,JSS
- **Tools/Technologies:** REST APIs, Test Driven Development (TDD) , OpenAPI(API documentation) ,Git, some GraphQL,Socket.io

Professional Experience

IssueBus, issue tracker web application

https://github.com/3r3bu5/IssueBus

IssueBus is a web application based on REST API that records issues customers/developers have experienced with a software product, and it enables support, engineers, and managers to track/assign those problems until they have been successfully resolved by the developers.

- Did the full system analysis, and requirements gathering, adopted the design-first approach and documented the API using OpenAPI and Swagger.
- Implemented Local Authentication and Authorization systems based to identify users and their authority to access endpoints or make certain actions or visit specific routes.
- Implemented Login via OAuth applications (Github, Facebook).
- Implemented validation on all endpoints to ensure the accuracy of the data being sent to the backend and database.
- Implemented upload functionality to AWS instance to handle uploading attachments and files to the server.
- Secured upload function to restrict users to upload files with certain extensions.

Attendance tracking management system project

https://github.com/3r3bu5/Attendance-Tracking-Management-System

The attendance tracking management system is an MVC web application that is a part of an HR system, that allows the admins to track the attendance and leaving of the employees, tracks their availability during the day, and manages their profiles.

- Did the full system analysis, and requirements gathering, adopted the design-first approach, and documented the API using OpenAPI and Swagger.
- Implemented Authentication and Authorization systems based to identify users and their authority to access endpoints or make certain actions or visit specific routes.
- Implemented validation on all endpoints to ensure the accuracy of the data being sent to the backend and database.
- Created a cron job to automatically take the absence of users at the end of the workday.
- Configured the application to be dynamic, so any corporation can configure it based on its settings (work shifts, allowance minutes, end of the workday hour,...)

Dummy, Full E-Commerce Web Application

https://github.com/3r3bu5/Online-Store-Managment-System

Dummy is a web application that is a server-client web application built using python Django framework and SQLite as a database with full features of modern e-Commerce business like admin panel, shopping cart, user profile, searching and filtering products, login/signup users, users' sessions,...

- Did the full system analysis, feasibility study, Draw ER Diagram, and UML diagrams (activity, use case, class, state)
- Designed the UI & UX of the project.
- Designed the database and built its relationships (SQLite).
- Built the Back end of the projects using the Django framework and
- Developed the views, models, templates, forms of each app.
- Tested the functions of the website and performed full system testing.

Community Involvement

Head of CyberTalents KFS community   2018 - 2020

CyberTalent

 CyberTalents hosts Egypt's Universities Capture the Flag Competition. I represented the company at my university.I handled organizing CTF competitions at the university, sessions and talks for students.

Member of IEEE-CS KFS community   2018 - 2019

IEEE

Personal Skills

- Research.
- Problem-solving.
- Critical Thinking.
- Work in a team environment.
- Willingness to learn.
- Languages:
    - English - Intermediate
    - Arabic - first language