

EXPERIENCE

Software Engineer

IT Wolf Solutions

03/2021-Present

- Develop as Full-Stack web apps using flask framework with integration of custom RESTful APIs and **Tableau** with **keycloak** authentication.
- Hands on with AWS, Docker, Kubernetes and Redis.
- Contribute to application improvement & optimization (through code audits, refactoring, caching, architecture changes).

Key Achievements: Refactoring and improving performance by 75%. Creating complete managing system with keycloak APIs.

ACHIEVEMENTS

- 13th / 203 on Egypt in **Hashcode google competition** and 735th / 10724 globally (2020) (In **Python**)

EDUCATION

Alexandria, Egypt

Faculty of Engineering, Alexandria University

Fall 2015 – Spring 2020

- Bachelor in Electronics & Electrical Communication. Grade: Good
 - Heavy focus on full stack engineering with modules on both front and back-end processes.
- (Graduation Project) Multi-Layered **AUTOSAR-Based** Architecture (Compatible with ADAS) (**Simulation layer using CARLA and QT in Python**)

PROJECTS

- **StoryBooks** ([StoryBooks](#)) (**NodeJS** with **MongoDB** to store articles and users)
- **Alex_Dental_Souq** app (Play store: com.bplusplus.alex_dental_souq) (Using **Flutter** and **Firebase** to support this **Ecommerce** App)
- **Yummy** app (Play store: com.bplusplus.yummy) (Store recipes with **SQLite**)
- **UnitedGYM** (Organize GYM data such as customers, employees, salaries, payments and general reports - ERP system using **MSSQL** and **.NET**)
- **Copier** ([Copier](#)) (Manage clipboard in Windows with import/export options with ability to copy multiple files/directories from multiple partitions)
- **Shell for Ubuntu** ([Shell](#)) (Shell terminal for Ubuntu using **C**)
- **LampController** ([Lamp](#)) (Controlling Lamp using **ESP8266** and **Flutter**)
- **TicTacToe** Game ([TicTacToe](#)) (Python TicTacToe game)
- **Wasalna_Le_Kam** app (Play store: com.bplusplus.wasalna_le_kam) (Monitor with **Realtime** update changes in any ticketing system)

AWARDS

- Won **Gold medal in Huawei cloud track** national exam (2020)
- **Bronze Medal** from UGVC (Unmanned Ground Vehicle Competition) 2017 from Military Technical College
- **Bronze Medal** from EOI (Egyptian Olympics for Informatics) 2015 in programming.

LANGUAGES AND TECHNOLOGIES

- Python; JavaScript; NodeJS; Flask; Django; C; Java; HTML; CSS; GIT; REST API; Flutter; Firebase; MSSQL; PostgreSQL; NO-SQL; MongoDB; JIRA; AWS; Docker; Kubernetes; Redis; Tableau;

ACTIVITES

- Working as an IT assistant in Sofico Pharm's company
- Trainee in CISCO course.
- Trainee in NI course with earned credit.