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WORK EXPERIENCE

Senior Software Engineer	Viridien	09/2022-Present

- Develop various **Go-Lang** microservices, internal tools and common packages for database connections and generators with **Integration/Load** tests & Maintain/Develop **C++/Python** services.
- Create Helm charts for various internal and external resources such as **Kafka** and deploy with **Kubernetes**.
- Contribute to **Architecture design** based on the business requirements.
- Created, prioritized, and managed issues, user stories, and tasks in **Gitlab** to maintain a clear and actionable milestone backlog.

Key Achievements: Migrated multiple legacy projects to completely new architecture.

Software Engineer	IT Wolf Solutions	03/2021-09/2022

- 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

- **Muslim** (Muslim) (Using **Flutter** to get praying times)
- **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**)

AWARDS

- **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

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