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SUMMARY

I'm an experienced developer and a GNU/Linux geek with interest in new

Technologies and trends, I've been working on many frameworks and technologies

Faced many tech problems and I've been eager to solve it all according to my flexibility in learning and developing my skills.

SOFT SKILLS

- Good English
- Self-Learning
- Organizational Behavior

EDUCATION

- Computer Science level 3 at October 6 University

EXPERIENCE

- Internship at Cairo Oil Refining Company 10/9/2017 – 14/9/2017
  - Linux Administration
  - Network Basics
- Internship at National Bank of Egypt 15/7/2018 – 9/8/2018
  - Database Administration
  - Windows Server
  - Microsoft SQL Server
  - ASP.NET
  - Network Basics
- Internship at Ahli Bank of Kuwait 1/8/2019 – 30/8/2019
  - Database Administration
  - Software Development

TECHNICAL SKILLS

- ### Architecture
  - Good understanding of data structure concepts & OOP
  - Software Engineering principles
  - Algorithm analysis
  - MVP design pattern

- ### Android Development
  - Navigation

- Dynamic Fragments
- App Indexing
- Deep links
- Activity lifecycle and Android back stack
- Local data & database
  - SQLite
  - Shared preference
  - Room DB
  - Caching
  - Realm Objects
- UI & databinding
  - RoboGuice
  - ButterKnife
  - Pagination RecyclerView
  - UX skills and Animations
- Dependency Injection frameworks
  - Dagger2
- App Monitoring
  - Fabric.io
- Android Structures
  - Push notifications
  - Services
  - Threads
- Web services & APIs Libraries
  - Volley
  - Gson
  - Retrofit2
  - OkHttp3
  - Google maps
  - AdMob
  - Facebook, Twitter and Google Authentication
- Image loading & handling
  - Picasso
  - Glide
  - Fresco
- Platforms
  - Firebase
  - Realm
  - Parse

- **Cross platforms**

  - Flutter
    - HTTP requests
    - UI & Material Design
    - ListView Builder
    - Firebase
  - React Native
    - Firebase
    - UI & Material Design

- **Embedded Systems**
  - Interfacing
    - Kay Pad
    - LCD 16 x 2
    - A4988 Driver
    - LDR
    - Ultrasonic Sensor
    - Line tracking Sensor
    - Stepper motor & Servo motor

  - Microcontrollers
    - AVR
    - PIC
  - Boards & Circuits
    - PCB design principles
  - Prototype boards
    - ESP8266 Node MCU
    - Arduino Uno & Mega

- **OpenCV**
  - Object Detection
  - Eye detection
  - Color filtration & correction

- **Web Development**
  - Front-end
    - Basic html & css
    - Basic Angular knowledge
    - Basic React Knowledge
    - Javascript & typescript

  - Back-end
    - Php & Laravel basic knowledge
    - NodeJS basic knowledge
    - ASP.Net

- **Database**
  - Oracle
  - MySQL
  - Microsoft SQL Server
  - NoSQL DB

VOQS

This is a social media app based on voice records that could be shared on the dashboard, sent privately and replied, also other features like (react on the record, comment, share follow users, block users, report ......) with full authentication with other providers like Facebook, Twitter, and surly notification totally based on Firebase.

App URL in Play Store: https://play.google.com/store/apps/details?id=app.voqs

Blog App

This a simple blog application with common features (like, comment, Follow, profile, ...) totally based on Firebase platform Firebase Auth, Firebase database, Firebase storage and Firebase Cloud Messaging.

Screenshots: http://bit.ly/2G8ovYe

APK: http://bit.ly/2VuTzqk

Chat App

This a full functional chat application every chat is categorized by music genre with regex url filter with profile and full authentication with facebook and google providers.

Screenshots: http://bit.ly/2VuzX5y

News App

This is a basic web service app that works on BBC news API gets news title, photo and description and load in a recycler view with click that navigates to news details.

Screenshots: http://bit.ly/2UFBHMk

APK: http://bit.ly/2WYKmab

Sun Tracking System

This an embedded system aims to make solar cells produce the most possible energy by Making the cell always centralized to the sun, the mechanism is that the cell is put on a Rectangular rotating panel, the panel has two LDR at attached to its ends when the left LDR Detects much light than the right one, the panel rotates towards the left LDR until both Sensors detects the same values of signals represented by light and vice versa.

Hardware Components

1. LDR
2. ATmega328p & USBasp programmer
3. DC motor
4. Capacitors & Resistors
5. Solar Cell
6. Copper Board for the circuit

Project source: https://github.com/Mr-Geek11/Sun-Tracking-System

Project Demo: http://bit.ly/2YwZOuT

EG Currency

This a simple cross platform application that works with an API that fetches financial info About currencies in Egypt, made using flutter

Project source: https://github.com/Mr-Geek11/eg_currency

Eye detection

This a simple OpenCV application that aims to identify human eyes and mark it with circle
Language used: C++

Chat API

This an API built using php and for chat clients and provides Authentication, add room,
Send message, leave room, etc.
Project Source: https://github.com/Mr-Geek11/Chat-API