Kirolos Nabil Fekry

Contact Information

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Objective

Love solving problems / Finding new solutions with simple approaches in the field of Software Systems and IT, suiting my competencies and fields of study where I can broaden my knowledge and technical skills as well as adding a significant value.

Education Reference

2000-2011
- **School Name**:   EL-Salam Private Language School.

2011-2014
- **High School Degree:** 92.2%.
- **High School Name**: Secondary School For Boys.

2014-2018
- **University Degree:** Good.
- **University Name**: Faculty of Computers and Artificial Intelligence - Banha University.

Higher Education: June 16, 2022
- **University Name:** Harvard University.
- **Field Of Study**: Computer Science.
- **Course**: CS50's Web Programming with Python and JavaScript, Link.
- **Certificate**: https://certificates.cs50.io/31dbea94-ce5c-4431-92f6-00bdb383b715

Summer Training

Summer 2015: training on OOP C++.
Summer 2016: training on Android Studio.

Qualifications & Certificates

- **Full Stack Web Developer From ITI.**
- **Achieved student level credential for completing CCNA R&S From Cisco Academy, link.**
- **DELL EMC2 Academic Associate, Cloud Infrastructure and Services.**
  Code: HWD6ZP9R1BEQQM9X   **Credential URL: link.**
- **DELL EMC2 Academic Associate, Information Storage and Management.**
  Code: N3HZN6MRKNE1QB5K   **Credential URL: link.**
- **IBM Academic Certificate for Cloud Application Developer Mastery Award for Students, link.**

Professional Experience
Current experience
(Python – Django – Flask – Numpy – Pandas – Matplotlib – Google Charts – Django REST API – SQL – JavaScript – ORMs & APIs – CI/CD – Docker – Git – GitHub – Heroku)

Good experience to work in Information Technology industry where I was entitled to different job roles such R&D Software System Engineer, Spearheaded the software product definition, requirements, analysis and implementation for the new project, designs dashboard with full analysis data charts, Good knowledge of IOT Platform, SCADA Systems, Network Protocols, How to integrate systems together and Manipulate Software.

Global Technical Services   9/2021 – present
R&D Software System Engineer:

Analyzes, design and modifies software enhancements and/or new products used in local, networked, or Internet-related computer programs, primarily for end users. Using current programming language and technologies, writes code, completes programming, and performs testing and debugging of applications. Completes documentation and procedures for installation and maintenance. May interact with users to define system requirements and/or necessary modifications.

- Software system engineer of implemented projects as below:
   1. Pricing management system in which we use Python, Django and MSSQL to implement, shortly this is one of the largest projects implemented for the sake of the Egyptian General Petroleum Corporation (EGPC), it's implemented in 3 parts; first is a "web app" to update the price of the Petroleum and Gas products, second is a "windows service" that enables sending new prices to the petroleum and gas companies by EGPC, third is also a "windows service" that is integrated with the petroleum and gas companies to send data to all its stations all over the country.

   2. Good knowledge of Thingsboard IOT Platform, create dashboard, getting data from BLE or WIFI sensors through gateway (like Teltonika rutx11) to view it on IOT Platform.

   3. Using Python and Django, Create service that get data form IP camera through rtsp protocol then convert it to http protocol to be accessible by IOT platform or the any web browser.

   4. Spearheaded the software product definition, requirements, analysis and implementation for the new project, designs dashboard with full analysis data charts.

Mozdan
                                                               12/2020 – 9/2021
- Network Management & Support - LAN/WAN implementation - Office 365 'mail box' - Active Directory Administration for managing user accounts.

- System admin of implemented dependable (Backup / DR) Strategy and plan at both sites (Based on EMC Storage, EMC Data Domain, and VEEAM Backup).

- System admin of implemented ICT systems at the 2 sites as below.
  1. Virtual Servers {DC, File & print, ERP & database, Management (Antivirus & web filtering), Terminal Server} (Based on ESXI on Cisco UCS servers).
  2. Implemented reliable connection between HQ and the factory.
  3. Implemented infrastructure in the factory (UTP & Fiber Optics).

Economic Electrical   9/2020 – 11/2020
Network Management & Support - LAN/WAN implementation - Office 365 'mail box - Active Directory Administration for managing user accounts – Collaborating with members of the ICT team to develop their skills and knowledge and to ensure that they are integrated into business – Implement new ERP (odoo) network system for the organization.

MP Production   **1/2020 – 3/2020**

Network Management & Support - LAN/WAN implementation - Office 365 'mail box & Skype for business' - Active Directory Administration for managing user accounts.

National Service Projects Organization   **11/2018 – 12/2019**

IT Support Specialist (Desktop software – network system installation – security camera system installation)

Programing Projects: Ticketing Desktop app – Erad Desktop app – Meeting Desktop app.

Technical Skills

Programming Language:

- **Basic Language:** C++ – C# – Java – Assembly – Matlab – Prolog.
- **Desktop:** Windows Form – WPF.
- **Front End Web Development:** HTML – CSS – Java Script – JQuery – Bootstrap.
- **Back End Web Development:** PHP – .Net.
- **Database:** SQL – PLSQL.

Programming Concepts:

- Algorithm.
- OOP concepts and implementation.
- Data Structure concepts.
- Database design concepts.

Software Development Tools & Services:

- **Development:** Visual Studio – Netbeans – Android Studio.
- **Database:** Oracle – MSSQL – MySQL.
- **Design:** Adobe photoshop – Edraw.
- **Other:** GitHub – Apache – VMware – VirtualBox – swipl.

Projects

Faculty projects:

- Hospital Management System (C++).
- BFCI Event Project (JAVA).
- Piano Tiles Game (JAVA).
- Book Café (Android).
- E-Commerce Web Site (PHP & MySQL).

Graduate project:

3naity (Healthcare system for emergency cases) using :
MSSQL for database -- .Net for API web service
.Net for website -- Android Studio for mobile app

Personal profile

- Excellent organizational ability - working well under pressure, managing resources to meet customer requirements.
- Resourceful and trustworthy team member with good communications skills who also has the initiative to work efficiently on my own.
- A problem solver, using analytical and logical abilities in fault finding.
- Good social relations.

Extracurricular activities

- HR Head of IEEE Computational Intelligence Society – Banha University (2016).
- Member at Ideation Marathon - Technology Innovation & Entrepreneurship Center (2018).
- I have organized many events and travels, I have got appreciation certificate for this.
- I have got the third place in the chess competition at the level of faculty.
- **Sports:-**
    - Very good at Table-Tennis.
    - Amateur at Swimming, Volleyball, Basketball.

Personal Information

Birth date: 11 march-1996
Nationality: Egyptian.
Marital Status: Single.
Military Status: Finished.

Thank you for spending your time reading my C.V