

Khaled Ahmed AlKharashy

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Software Engineering: Software/Web Development, IoT App Developer, Electronics, IT Specialist.

Career Objective.

Passionate about leveraging technology to drive business growth, improve operational efficiency. Seeking to contribute to innovative projects in a dynamic, collaborative environment, and solve real-world problems.

Skills - Qualifications.

❖ Software Engineering - IT:

Full Stack Web Development: Secure, Protected API, MVC | MicroServices, Integrate Third party, with Approaches of Monolithic and Microservices Arch. in mind [Docker/Compose, CI/CD, DevOps]

- Javascript/Typescript: NodeJS - NestJS - ReactJS - NextJS - Redux.
- PHP: Laravel - CodeIgniter4, CMS/WordPress, Python: Django.
- API Techniques: Rest/Restful API, GraphQL API.
- Databases: CRUD/Transaction with NoSQL/MongoDB, MySQL, and using ORM's.
- Web Servers: Apache2 / Nginx, Configuration, Optimization, Security, Load Balancing.
- UI/UX/SPA: Design, Building Interactive/responsive SPA interface with technologies:
[React - Vue - JQuery - Bootstrap - TailwindCSS - Figma - Canava].

Internet Of Things Application Development, End To End Solutions, integrating hardware, software

- Embedded System: Arduino/ESP32, MicroChip PIC16F87XA Analog/Digital Channels with MikroC.
- Networking: TCP/IP, MQTT, Bluetooth Low Energy (BLE), Wi-Fi, LoRaWAN, SigFox.
- Cloud/Enablement Platforms: AWS IoT, Google Cloud IoT, Azure IoT Hub/Thingsboard, Thingworx.
- Kits: SigFox, Senseit, Sensors (Proximity, Temperature, Signal Strength, Acceleration).

Network Administration And VIOP / Voice Over IP Protocol Servers: [Network/VIOP/PBX]

Configure, Implement End To End VOIP Systems, Internal Integrate IP Phones/Terminals, Yeaster S/P-Series And with External System [Gateway - Trunks - API Provider], Handling inbound, outbound connection, Network/Telecom protocols: SIP Trunking, TCP/IP, DNS, DHCP, NAT, VLAN, QoS.

- Low Level Programming with ANSI C / Bash Scripting. - Linux Administration.
- VoIP Platforms: Asterisk, Cisco Unified Communications Manager (CUCM), FreePBX, Avaya, 3CX.

Electronics And Hardware: Dealing with Analog/Digital Circuits, SMD/PIN, Switch Mode Power Supply, LCD/LED Screens, CRT TV, Signal receiver, Sound devices, PC/Laptop.

❖ Administration Skills:

Business Development, Team working, Problem Solving, CRM, MS Office/Power Automate, Communication, High rate Customer Satisfaction, High KPI, Agile Methodology, Adherence.

Work Experience.

➤ **Software Administrator/Developer [UAE Experience - Tax Consultancy Company] - Present**

Digitize and automate services by building web based applications that serves the business, Manage company's IT services [Software and products], and business development strategy. Projects: Full stack Proposal System, Developing Interactive Single Page Applications.

➤ **Full Stack Web Development - @Remotely & @ITI, [5 Years of Experience in Total]**

Developing, maintaining Performed, Secure Applications web based, and Integrate with Third Party. Projects: E-Commerce, Blogging System, Video/Audio Conference App, 3D Design.

➤ **Network Tech Support, Voip, Customer Service @Egypt Telecom ISP, Xceed, 2022 : 2024**

Indication and TroubleShooting physical, logical Network Connection faults in Infrastructure, Devices, Security, Implement End To End VOIP Server/System, Virtualization, direct workforce on the land, Customer Service high KPI, high rate Customer satisfaction.

➤ **IoT, Software Engineering, Cloud Computing, Web, Embedded Systems @ITI 2020 : 2022**

Building and Automating End To End Solutions For Internet of Things and Web Applications:

Projects:

- 1- IoT Tracking: Monitoring multi-locations, sensors that forward payload to consolidated sensor, display on map, calculate GeoFence long/latitude by meters, send alerts/conditional events with history/current status.
- 2-Smart Parking using Proximity sensors that provide places, with variable status if filled or free for parking.
- 3-Smart Lighting with a light sensor that provides a lighting system depends on current light status.
- 4-Smart Bag that indicates location, status of the bag if opened from a lighting sensor payload, reading history.
- 5-Motion Simulation: Acceleration sensors conflict object actions immediately, displaying variable position.

➤ **Electronics Technician @Al-Araby Authorized Centers 2016 : 2020**

Maintaining, Repairing, Faults tracking and indication, Measurement, Soldering, Testing, DC Devices.

Education & Certifications.

★ Technical Training (Online) – Google Cloud - Industrial IoT.

★ Technical Diploma ITI – Information Technology Institution – Mansoura City, Egypt 2021 : 2022

★ Higher Diploma in Education and Special Education From Damanhour University 2015 : 2016

★ Bachelor Degree in Sociology From Damanhour University (2010 : 2014)

**For Detailed Information, please visit my website
(the link mentioned in the head under my full name)**

**Warm Regards,
Khaled Ahmed**