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Summary

To seek a challenging career with a progressive and reputed organization that provides an opportunity for growth and advancement, which utilizes state-of-the-art, software and/or hardware components in an environment that encourages innovative thinking, recognition, and career development, where my resourceful experience and academic skills will add value to organizational operations.

Experience

Assistant Manager BMS

CNS Engineering

Dec 2022 - Present (1 year 5 months)

Project Manager

CNS Engineering

Mar 2021 - Present (3 years 2 months)

Project Head for BMS at Indus Hospital Project Site , Jubilee Town Lahore

IoT System Integrator

Fiverr

Jun 2020 - Present (3 years 11 months)

<https://www.fiverr.com/knightusman9/do-iot-projects-using-adafruit-io-arduino-and-nodemcu>

Knight Automation Services is an IOT based Automation Company which has extensive experience working with Adafruit IO, IFTTT, NodeMCU ESP8266, Arduino (All Sensors Modules Included), Power Monitoring, ATS, Environment Monitoring and Control Systems.

<https://www.facebook.com/KnightAutomation2020>

We are providing full A-Z Solutions for your IOT Projects using Adafruit IO as our hosting cloud. The Services we are Offering includes:

1) Design:

Helping You in making your own project or making a brand new from scratch. We will assist and guide you on the hardware to chose, the assembly techniques to follow and the methods which ensure maximum success for your Project.

2) Schematic and PCB Layout:

We are utilizing ISIS Proteus. You will receive fully labelled and explained Circuit Diagrams and PCB Design for your IOT Project.

3) Programming:

We will provide you all the source codes of your IOT Project and offer explanation and understanding to each line of code

5) Mobile App Integration:

We are utilizing Android Studio. We will enable you to monitor and control your entire IOT Solution with Trend Graphs for every Data point.



BMS Engineer

CNS Engineering

Aug 2018 - Present (5 years 9 months)

Assistant Site In-charge at CNS BMS SLA , Packages Mall Project , Lahore

- > Plan, assign, supervise, coordinate, inspect and evaluate the work of subordinates in accordance with Packages Mall needs and administrative and personnel policies
- > Develops and implements control strategies and techniques to meet desired sequence of operations and assists in tuning existing PID loop controllers.
- > Coordinating technical, maintenance, and operations personnel to troubleshoot operating problems and assist in the implementation of new equipment, instrumentation, and controls
- > Commissioning, testing and integration of different sensors and controller families with existing building's systems hierarchy.



Chief Technology Officer

Knight Automation Services

Jun 2018 - Present (5 years 11 months)

KNIGHT Automation Services, established in 2018, is a leading provider of IoT (Internet of Things) network-based solutions and an integrator of Instrumentation and Control Systems. With a comprehensive approach, KNIGHT Automation Services offers complete technical solutions and services that cater to a wide range of environments, including homes, offices, and industries.

At KNIGHT Automation Services, the foundation of their solutions lies in international standards, the utilization of modern technology, and their own proprietary know-how procedures. They leverage their extensive experience across different industries and applications to develop innovative and tailored solutions that meet the specific requirements of their clients.

Based in Lahore, Pakistan, KNIGHT Automation Services operates from its main office and serves clients across various regions. Their commitment to international standards, utilization of modern technology, technical expertise, high-quality equipment, professional services, and customer support positions them as a trusted partner for homes, offices, and industries seeking efficient and reliable automation solutions.



BMS Engineer

CNS Engineering

Dec 2017 - Jul 2018 (8 months)

CNS BMS Project Team, Emporium Mall, Lahore

->To design, execute and implement a complete Building Automation System including integration of other low voltage control sub-systems to fulfil and achieve the complete requirements of the project. This involves providing documents to communicate design and operation plan to clients, consultants, subcontractors and field installation team.

->Designing technically complex Building Automation Systems as per client requirements and creating flow diagrams, estimated bill of quantity, network layouts and electrical schematics.

->Performing maintenance, inspections, site surveys, and service requests including replacement and modifications of control or instrumentation equipment

->Creating and revising operator-interface graphics to allow simple and easy control covering entire Building Automation Systems.



BMS Trainee Engineer

CNS Engineering

Aug 2017 - Dec 2017 (5 months)

-> Troubleshooting, testing and commissioning BMS & HVAC systems and electronics

-> Installation, termination of low voltage wiring and commissioning of DDC (Direct Digital Control).

-> Assists in creating or revising operator-interface graphics

-> Supervises the preventive maintenance program of the building and makes sure of timely implementation within the required deadlines.

Education



COMSATS Institute of Information and Technology

Bachelor in Electrical (Electronics) Engineering - BEE, Electrical and Electronics Engineering

2013 - 2017



Aitchison College

Cambridge International O Levels and A Levels , Engineering

2009 - 2013

Licenses & Certifications



SmartStruxure Workstation and System Design Course - Schneider Electric



Bosch Public Address Technical Training - Bosch

Skills

Energy Management • Freelancing • Energy Efficiency • Building Automation Systems (BAS) • Internet of Things (IoT) • Building Management Systems • Automation • Object-Oriented Programming (OOP) • Strategic Planning • Administration