

AHMED AL-BADAWY

Home Automation Engineer



- +971 58 577 4905
- exec.ahmed@gmail.com
- I own UAE 10 years Golden residency
- Dubai, UAE

Professional Summary

Certified by google in PMP Highly skilled Project Manager with a proven track record of successfully making quotations, creating budgets, and managing projects exceeding AED 1,000,000 in value. Seasoned Home Automation Engineer and Project Manager with a proven track record of delivering innovative and efficient solutions. Adept at leading multidisciplinary teams, managing complex projects, and integrating cutting-edge technologies. Possessing a deep understanding of smart home systems, IoT, and industry standards. Seeking a challenging role in the dynamic UAE market to contribute to the growth of sustainable and intelligent living.

Home Automation Systems Expertise

Wired Systems:



- KNX:** Proficient in KNX system design, configuration, and programming, including device integration, group addressing, and scene creation.
- Philips Dynalite:** Experienced in designing and implementing dynamic lighting solutions, including color tuning, dimming, and scene control.
- Lutron:** Skilled in utilizing Lutron systems for lighting control, shading, and energy management.
- Loxone:** Knowledgeable in Loxone's modular system for smart home automation, including climate control, security, and multimedia integration.

Wireless Systems:



- Matter:** Up-to-date with the latest Matter standard for seamless interoperability between smart home devices.
- Z-Wave:** Experienced in Z-Wave technology for wireless control of various devices, including lighting, thermostats, and security systems.
- Zigbee:** Proficient in Zigbee protocols for wireless communication and device control.

Mobile Integration:



- 1Home, Control4, Alexa, Google Home:** Skilled in integrating home automation systems with popular mobile apps and voice assistants for remote control and automation.

Device Programming



- Philips, Lutron, Loxone:** Proficient in programming devices from these manufacturers, including customization of user interfaces, automation scripts, and system optimization.
- KNX:** Experienced in programming KNX devices from various manufacturers, such as **JUNG, ABB, Zennio, Apex, Basalte, GVS, and others**, to achieve desired functionalities.
- Fibaro:** Skilled in using Fibaro's smart home controllers and modules for a wide range of automation tasks.
- Aqara:** Experienced in integrating Aqara's smart sensors and actuators into home automation systems.
- Casambi:** Knowledgeable in Casambi's wireless lighting control system for flexible and customizable lighting solution

HVAC Integration



Experienced in integrating HVAC systems with home automation systems from leading manufacturers such as:

- **Coolmaster:** Skilled in controlling and monitoring HVAC systems through Coolmaster interfaces.
- **Intesis:** Proficient in using Intesis gateways to integrate various HVAC brands with home automation systems.
- **Google Nest:** Knowledgeable in integrating Google Nest thermostats and other HVAC devices into smart home systems.

Extra-low voltage Systems Expertise

ELV

Proficient in designing, installing, and commissioning a wide range of ELV systems.

- Access Control Systems
- CCTV Systems
- WiFi Systems
- Structured Cabling Systems



Sound Systems

Experienced in designing and installing custom sound systems for various applications

- Background Music Systems
- Multi-Room Audio Systems
- Home Theater Systems



Home Theater

Skilled in creating immersive home theater experiences.

- Acoustic Treatment
- Speaker Calibration
- Video Calibration
- AV Receiver Configuration



A.K.A

Professional Experience

Home Automation Project Manager / Engineer

Butler Smart Machines
June 2024 – Present

- **Project Management**
 - Successfully managed over 15 home automation projects from inception to completion.
 - Effectively coordinated with clients, contractors, and vendors to meet project timelines and budgets.
 - Utilized project management methodologies to streamline workflows and optimize resource allocation.
- **System Design and Integration:**
 - Designed and implemented comprehensive home automation systems utilizing leading technologies such as KNX, Lutron, and Larnitech.
 - Integrated various subsystems, including lighting control, climate control, security systems, and multimedia systems.
 - Configured and programmed automation controllers to achieve seamless operation and customization.
- **Mobile App Integration:**
 - Leveraged 1Home and Control4 platforms to provide intuitive mobile app control of home automation systems.
 - Developed custom app interfaces and automation scripts to enhance user experience.
 - Ensured seamless integration with voice assistants like Alexa and Google Home.
- **Network Infrastructure:**
 - Designed and implemented robust Wi-Fi networks to support reliable connectivity for IoT devices and smart home applications.
 - Configured network switches, routers, and access points to optimize performance and security.
- **Intercom Systems:**
 - Installed and configured intercom systems, including both wired and wireless solutions.
 - Integrated intercom systems with home automation systems for enhanced security and convenience.

Project list

During my career in Butler Automation i successfully handover over 15 projects.

- **PROJECT NAMES :**
- ATR 301, ATR 1204, ATR 1407, ATR 1031, TH1 **THIS ALL WAS IN ATLAS THE PALM**
- BRONVE VILLA 39 **IN THE VILLA**
- APARTMENT 1201 **IN GOLDEN MILE THE PALM**
- TOWNHOUSE 20 **IN DUBAI HILLS**
- APARTMENT 207 **IN FOUR SEASONS PRIVATE RESIDENCES DUBAI AT JUMEIRAH**
- **OTHER PROJECTS.**
- **Location: Dubai, UAE**
- **Year: 2024**

- **Scope of Work:**

Design, installation, and commissioning of a comprehensive smart home system, including lighting control, climate control, security systems, and multimedia integration.

- **Key Achievements:**

Successfully integrated KNX, Lutron, and Larnitech systems to create a seamless user experience. Implemented advanced automation scenarios and voice control features.

Professional Experience

Technical Executive

GST Technologies LLC
Oct 2022 - June 2024

Home Automation & Smart Home Specialist

- Utilized Philips Dynalite and KNX systems to design, install, and configure home automation and smart home solutions.
- Integrated lighting, HVAC, security, and entertainment systems to create seamless and efficient home automation experiences.
- Collaborated with clients to understand their specific requirements and preferences, delivering tailored solutions to meet their needs.
- Conducted system testing and troubleshooting and provided ongoing support to ensure optimal performance.

Security Systems

- Installed and configured CCTV (Closed-Circuit Television) and Access Control systems from Hikvision and Bosch.
- Conducted site surveys to determine optimal camera placements and system requirements.
- Implemented network configurations, user access controls, and system integrations for comprehensive security solutions.
- Performed maintenance, troubleshooting, and repairs to ensure system functionality and minimize downtime.

Master Clock System

- Worked with Bodet's master clock systems, implementing accurate time synchronization across various locations and devices.
- Installed and programmed master clock systems to synchronize clocks, bells, and other time-sensitive devices.
- Collaborated with facility managers to ensure precise timekeeping for schedules, operations, and synchronized workflows.

Sound Systems and Home Theatre Designer

- Designed and installed customized sound systems and home theater setups for residential and commercial clients.
- Integrated audio sources, amplifiers, speakers, and control systems for immersive sound experiences.

Project list

Project	Lighting Control	Motor Control	Climate Control	Security	Surveillance	Multi Room Audio	Home Theatre/Cinema	Video Distribution	Satellite	Network & Wifi	Home Telephony	Door Entry
Mr. Mansour Al Sayyah -G+9+R (Residential Building)	✓	✓		✓	✓	✓			✓	✓		✓
Mr. Faisal Al Hamar - G+6+R (Residential Building)	✓	✓	✓	✓					✓	✓		✓
Royal Yacht LLC – 60 Feet Yacht	✓	✓	✓		✓	✓						✓
Mr. Ahmad Al Butti - G+1+R (Villa)	✓	✓		✓	✓					✓		✓
Mr. Dirar Al Marzoui -G+2+R (Villa)	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓
Mr. Khalid Hamid - G+2+R (Villa)							✓	✓				
Teacher Institute Center – MOE (Commercial Building)	✓						✓					
Abu Dhabi Training Center – MOE (Commercial Building)	✓						✓	✓		✓		
Axiom Head Office (Commercial Building)								✓				
Mr. Mazen Zreigat -G+2+R (Villa)	✓	✓	✓	✓								
Dr. Ghassan Khoury -G+2+R (Villa)	✓	✓		✓								
Mr. Nael Hashweh -G+2+R (Villa)												
Mr. Ahmed Daher -G+2+R (Villa)				✓	✓							
Mr. Mohammed Haddad - G+2+R (Villa)	✓	✓	✓	✓		✓						
Mr. Sameer Jallad -G+2+R (Villa)	✓	✓	✓	✓								
Mr. Jamal Hamshari - G+2+R (Villa)	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
Mr. Ahmed Al Yasiri -G+2+R (Villa)	✓			✓	✓				✓	✓		
Mr. Hamouri -G+2+R (Villa)				✓								
Dr. Saad Musmar G+1 (Villa)	✓	✓		✓	✓							
Mr. Nadim Muasher - G+1 (Villa)					✓	✓	✓	✓	✓	✓		
Mr.Shaker Muasher - G+1 (Villa)	✓	✓	✓	✓	✓	✓		✓		✓		
Dr. Fayiz Khouri - G+1 (Villa)	✓	✓	✓	✓	✓	✓			✓	✓	✓	
Tal Sindian 7 Villa Compound	✓	✓	✓	✓	✓							✓
Mr. Yousef Khalilieh - G+1 (Villa)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dr. Saqer Haddadin - G+1 (Villa)	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Mr. Ehsan Aslan - G+1 (Villa)	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

Professional Experience

Business & Marketing Development

CaiDu Technologies for Home Automation

May 2022 Oct 2022

- Create business models, planning, and marketing strategies.
- Design the logo & full company identity.
- Planned marketing initiatives and leveraged referral networks to promote business development.
- Met with current clients to assess needs and develop improvement plans.
- Identified new targets, developed new business opportunities, and presented product lines to customers.
- Planning & design social media on Facebook and Instagram

Founder

Amza Home Automation

May 2019 April 2022

- Work on, programmed, and tested 9 systems.
- Designed budgets worth over \$20000 for projects.
- Inspected all equipment before, during, and after projects to maintain progression and functionality.
- Implemented safety and accident prevention programs for each project.
- Operated CCTV equipment, radios, and ancillary equipment to reduce crime, disorder, and fear of crime.
- Supplied extracts from CCTV recordings to maintain records.
- Visited sites and locations to identify areas needing to be monitored with CCTV cameras.
- Recorded time, date, and location of incidents.
- Educated customers on preventive care and regular maintenance to prevent system malfunctions.
- Read and understand product manuals and blueprints.
- Maintained accurate records of customer service calls and inputted all information into the company's database.
- Tested all newly installed fire alarms.
- Assisted with electrical installations of lighting and smoke detectors.
- Controlled costs and optimized spending via restructuring of budgets for labor, capital assets, inventory purchasing, and technology upgrades.
- Delivered feedback to decision-makers regarding employee performance and training needs.
- Established and updated work schedules to account for changing staff levels and expected workloads.
- Modeled management and organizational skills and multi-tasked and prioritized in a deadline-driven environment.
- Built successful project plans covering objectives, resources, and staffing to meet schedules.
- Scheduled and facilitated meetings between project stakeholders to discuss deliverables, schedules, and conflicts.
- Tracked project and team member performance closely to quickly intervene in mistakes or delays.

Sales

Gharabeel

Dec 2018 Oct April 2019

- Create & manage ads campaigns and increase marketing performances.
- Developed value-added solutions and approaches by leveraging trends in customer marketplaces and industries.
- Developed innovative marketing campaigns to increase engagement with a target demographic and drive brand exposure.
- Prepared sales presentations for clients showing the success and credibility of water products.
- Exceeded targets by building, directing, and motivating high-performing sales teams.

Education

Business Administration - Management Information Systems, B.S.

Open University | Uk
Jun 2014 - Apr 2018

A Bachelor of Science in Business Administration with a focus on Management Information Systems (B.S. Business Administration - MIS) is a degree program that combines business principles with technology. It prepares graduates to use information technology to solve business problems and make informed decisions.

Web Design

Russian Cultural Center | Egypt
May 2013 - May 2014

Web Design diploma is a qualification that provides individuals with the skills and knowledge necessary to design and develop websites. These programs typically cover a range of topics, including:

Certification

CERTIFICATION



Project Management = PMP

Foundations of IT Project Management
Project Planning: Putting It All Together

Google Certificated



Z-Wave & FIBARO Home Automation System Certificate

Professional installation & programming



BVMS Operator Client Web Based Training

Basic Sales Training for AVIOTEC

BOSCH



Installer's

Dynalite System Builder Foundation

Philips Dynalite - Signify Lighting Academy



KNX Basic course

KNX Advanced course

KNX CERTIFICATE Smart home and building solutions.



Larnitech: BUS connection, Devices, Software

Larnitech

TECHNICAL SKILLS

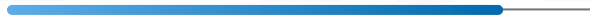
KNX



Lutron



HAVC Systems



1Home



Alexa, Google Home



Google Apps



UI/UX - WordPress



Web Design



Philips Dynalite



Loxone



Z-Wave, Zigbee & Matter



Control4



DALI



Microsoft Office



Zoho - Odoo - PlanFix



Adobe Apps



MANAGEMENT SKILLS

- Reviewed individual department performance and worked with leadership to improve processes, procedures, and practices.
- Negotiated terms of business acquisitions to increase business base, solidify market presence and diversify offerings.
- Developed key operational initiatives to drive and maintain substantial business growth.
- Studied market to determine optimal pricing of goods and services and to capitalize on emerging opportunities.
- Negotiated terms of business acquisitions to increase business base, solidify market presence and diversify offerings.
- Reviewed individual department performance and worked with leadership to improve processes, procedures, and practices.
- Developed key operational initiatives to drive and maintain substantial business growth.
- Established, optimized, and enforced business policies to maintain consistency and high-quality standards across industry.
- Verified construction documentation conformed to quality assurance standards and client requirements.
- Followed up with external contractors, project owners, and other stakeholders to gather information and resolve issues.
- Collaborated with on-site directors, operations managers, and supervisors on engineering projects.
- Supervised 20 employees throughout the design and execution of many projects.
- Deliver on deadline, saving 30% of the cost.



PERSONAL SKILLS

Leadership



Self-motivation



Adaptability



Analytical & Critical thinking



Stress management



Digital marketing



Communication



Decision Making



Team Management



Problem - Solving



Brand management



Graphic design





The Open
University

The degree of
BACHELOR OF ARTS
with Third Class Honours

has been awarded to

**Ahmed Khaled Mohammed Azab
Albadawy**

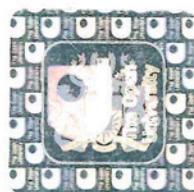
who followed an approved Honours programme in
Business Studies (Accounting)

A validated programme at The Arab Open University

12th June 2019

An award validated
under the authority
of the Royal Charter
of The Open University

Certificate No. 11154/240791



Vice Chancellor
The Open University

University Secretary



Signify Lighting Academy Certificate of Completion

Dynalite System Builder Foundation - Assessment

is hereby granted to

Ahmed Al Badawy
GST

May 16, 2023

Countersigned by

Jaap Schuurung, Head of Customer Learning



Signify Lighting Academy Certificate of Completion

Installer's Exam

is hereby granted to

Ahmed Al Badawy
GST

May 16, 2023

This certification is valid for 2 years from the date of issue.

Countersigned by

Jaap Schuurung, Head of Customer Learning



KNX CERTIFICATE

Partner No. 115452
Ahmed Al Badawy

is herewith declared



KNX Association hereby confirms that the above person has successfully attended the **KNX Basic course** and has the right to use the "KNX Partner logo" according to the terms agreed upon.

By attending this course the above person is qualified to design, commission and diagnose smart home and building solutions based on KNX.

Joost Demarest, CTO
KNX Association

Brussels, date
14/05/2023

A handwritten signature in black ink, appearing to read "Joost Demarest", is written over a large, faint, grey watermark of the letters "A.K.A." in the background.



Smart home and building solutions.
Global. Secure. Connected.



Join us
www.knx.org

Please verify authenticity of this certificate via consulting the KNX Web pages.



KNX CERTIFICATE



Smart home and building solutions.
Global. Secure. Connected.

Ahmed Al Badawy

KNX Association hereby confirms that the above person has successfully attended the **KNX Advanced course**: this extra qualification is herewith also registered in the KNX partner data on the knx.org website.

By attending this course the above person has acquired further skills to realize more sophisticated smart home and building solutions based on KNX.

Joost Demarest, CTO
KNX Association

Brussels, date
18/05/2023

A handwritten signature in black ink, appearing to read 'Joost Demarest', is written over a large, faint, light-grey watermark that says 'A.K.A.' in a stylized font.



Smart home and building solutions.
Global. Secure. Connected.



Join us
www.knx.org

Please verify authenticity of this certificate via consulting the KNX Web pages.



CONFIRMATION OF COMPLETION

Ahmed Al Badawy

GST Technologies

has completed the

Basic Sales Training for AVIOTEC

online training course

Date:
2/13/2023



CONFIRMATION OF COMPLETION

Ahmed Al Badawy

GST Technologies

has completed the

BVMS Operator Client Web Based Training

online training course

Date:
2/15/2023





Larnitech

TRAINING CERTIFICATE

Nº UAE-010423-44

This certificate is proof that

Ahmed Khaled Al-Badawy

Attended and successfully passed the introductory training "Larnitech: BUS connection, Devices, Software" and practical course in setting up of Smart Home equipment.

Larnitech GmbH





COURSE
CERTIFICATE

May 22, 2022

AHMED KHALED MOHAMMED
AZAB ALBADAWY

has successfully completed

Foundations of Project Management

an online non-credit course authorized by Google and offered through Coursera



Amanda Brophy

Amanda Brophy
Global Director of Google Career Certificates

Verify at:
<https://coursera.org/verify/GLW5773TW747>
Coursera has confirmed the identity of this individual and their participation in the course.



COURSE
CERTIFICATE

May 31, 2022

AHMED KHALED MOHAMMED
AZAB ALBADAWY

has successfully completed

Project Initiation: Starting a Successful Project

an online non-credit course authorized by Google and offered through Coursera



Amanda Brophy

Amanda Brophy
Global Director of Google Career Certificates

Verify at:
<https://coursera.org/verify/RM8ZP4X8Q7QZ>
Coursera has confirmed the identity of this individual and their participation in the course.



CERTIFICATE

OF ACHIEVEMENT

THIS CERTIFICATE
IS PROUDLY PRESENTED
FOR HONORABLE ARCHIEVEMENT TO

Mr. Ahmed Khaled Al-Badawy

course completion certificate in
Z-Wave & FIBARO Home Automation System

.....**MAR. 2021**.....

W. Tawfeek

Signature

Cairo, Egypt

City



FIBARO



RUSSIAN CULTURAL CENTER

COMPUTER STUDIES DEPARTMENT

Certificate

No: 10168 - 20.05.2014 - 26295

Ahmed Khaled Mohamed Al Badawy

Has successfully finished

Web Design Diploma

Photoshop for Web - Html / Dreamweaver
Fireworks for Web - Illustrator for Web
Flash Professional - InDesign for Web

HEAD OF COMPUTER STUDIES DEP.



Authorized
Training Center

AUTODESK.
Authorized Training Center
Certification Center



AUTHORIZED
Training Center
A.K.A