Khalid Khamis

Electrical and Electronics Engineer | IoT and Smart Systems

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PROFESSIONAL SUMMARY

Electrical and electronics engineer (King Saud University) with hands-on Internet of Things (IoT), robotics, and electronics work and enterprise technical pre-sales experience: supported demos of smart-building systems at Legrand and translated technical requirements into client proposals. Since 2023, has delivered AI agents, Retrieval-Augmented Generation (RAG) chatbots, and workflow automations for startup and business clients (B2B) through Data Box, an independent Artificial Intelligence (AI) studio. Built an AI and IoT integration that cut air-conditioning energy consumption by 30%. Arabic and English.

EDUCATION

Bachelor of Electrical and Electronics Engineering

King Saud University, Riyadh, Saudi Arabia — Graduated Jan 2021

Graduation Project: AI and IoT Smart Home Management Device (Grade: A+).

Member, Saudi Council of Engineers (SCE).

KEY ACHIEVEMENTS

- Reduced air-conditioning energy consumption by 30% through an AI and IoT integration (2021).
- Won 4 first-place hackathons: TechShop 2026, Tawasulthon 2025 (ChatSpeed), Wathba 2024 (1st of 50+ teams), and Spacethon 2024.

WORK EXPERIENCE

Founder & AI Product Manager

Data Box (independent AI studio), Riyadh, Saudi Arabia — Oct 2023 - Present

- Delivered AI agents, Retrieval-Augmented Generation (RAG) chatbots, and workflow automations for startup and business clients (B2B).
- Built 10+ AI MVPs and prototypes across productivity, education, automation, and communication, taking each from discovery to working demo.

Sales Engineer

Legrand, Riyadh, Saudi Arabia — Jan 2022 - Dec 2022

- Supported enterprise technical pre-sales and product demos for smart-building systems.
- Translated client technical requirements into client proposals.

Co-Founder & Product Manager

Solar Gate, Riyadh, Saudi Arabia — Oct 2020 - Dec 2021

- Co-built a solar estimation platform for return-on-investment (ROI) and efficiency calculations, validated through customer discovery with 80+ stakeholder interviews.
- Designed a solar-tilt prototype that improved solar cell efficiency by 6-7%.

Robotics Engineer & Technical Trainer

Smart Methods, Makkah, Saudi Arabia — Sep 2020 - Feb 2021

- Trained 600+ engineering trainees across Electronics, Internet of Things (IoT), AI, and Robotics, and designed hands-on labs.

VENTURES AND COMMUNITY

Founder

Samla (formerly NoNet.app), Riyadh, Saudi Arabia — May 2025 - Present

- Shipped the Samla Club Progressive Web App (PWA) on React and Supabase, live since Sep 2026; led the iOS build on SwiftUI and Apple Screen Time APIs.

Founder
With Builders (formerly With Khalid), Riyadh, Saudi Arabia Mar 2026 - Present

- Run weekly live meetups (15+ to date) with rotating expert guests and ran 3 community hackathons.

Design-Thinking Facilitator (Contract)
HUED, Riyadh, Saudi Arabia 2023 - 2025

- Facilitated 9 design-thinking workshops and hackathons for community and corporate audiences.

SKILLS

Solutions: Technical Pre-Sales, Sales Engineering, Product Demos, Client Proposals, Return on Investment (ROI) Calculations, Customer Discovery, Stakeholder Interviews, Stakeholder Management, Workshop Facilitation, Pitching, Technical Training

Engineering: Electrical and Electronics Engineering, Internet of Things (IoT), Energy Efficiency, Solar Energy, Robotics, Electronics, Rapid Prototyping

AI: Large Language Models (LLMs), Generative AI, Prompt Engineering, AI Agents & Agentic Workflows, Retrieval-Augmented Generation (RAG) & Chatbots, Model Context Protocol (MCP) & Tool Integrations, AI Evaluations (Evals), Workflow Automation

Technologies: Claude, Claude Code, Codex, Cursor, Lovable, n8n, Supabase, Vercel

PROJECTS

- ChatSpeed - WhatsApp omnichannel assistant with a RAG system; first place at Tawasulthon.
- AI Content Canvas - AI content creation and management platform.

LANGUAGES

Arabic (Native), English (Professional Working Proficiency)