

Khayyal Abdullah Aba-Alkayel

Product Manager, technical and AI products

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🐙 github.com/Khayyal-AbaAlkhey1 📍 Saudi Arabia

PROFESSIONAL SUMMARY

Product manager who writes the spec, talks to the users, and can build the thing. Took an equestrian booking platform from zero to **live** with 10+ centres signed and 1,000+ reservations, and shipped a clinical documentation product that cut nurses' note-writing from two hours a day to twenty minutes, a 6x reduction measured on practising staff. Led the team that won **1st place nationally** at the AgentX AI Hackathon. Computer Science student at Qassim University with a **GPA of 4.9 / 5.0** and a graduate of the **KAUST Academy Advanced AI Program**. Strongest where the product is technically hard and the cost of being wrong is real: healthcare, marketplaces, and AI systems that need guardrails rather than demos. Arabic native, English professional.

KEY ACHIEVEMENTS

- **Zero to live with 10+ centres and 1,000+ reservations.** Owned discovery, scope, go-to-market sequencing and launch for an equestrian booking marketplace.
- **6x faster clinical documentation.** Cut nurses' note-writing from roughly two hours a day to about twenty minutes per practitioner, measured on staff in active practice.
- **1st place nationally, AgentX AI Hackathon, SAR 30,000.** Team lead for Saden, judged in the presence of the Minister of Communications and Information Technology and the Emir of the Qassim Region. Held with QABAS and T2.
- **3rd place, Agentic AI Bootcamp Hackathon** (Saudi Digital Academy and atomcamp) for Wifaq.
- **GPA 4.9 / 5.0** at Qassim University, and graduate of the KAUST Academy Advanced AI Program.

PRODUCT EXPERIENCE

Enan, Product Manager

Aug 2026 to present

Live at enanapp.com, 10+ centres signed, 1,000+ reservations booked

Live: enanapp.com

- **The problem:** booking a riding lesson in Saudi Arabia meant sending a WhatsApp message and hoping for a reply. Stables had no visible schedule and no record of who was coming; riders had no way to compare centres at all.
- **Go-to-market sequencing:** launched the supply side first and kept public listings behind a feature flag while signing centres. A marketplace with four stables teaches the first riders that the product is empty. Until the flag lifted, the homepage was a pitch to stable owners.
- **Conversion call:** guests find and manage a booking by phone number alone. Forcing account creation before a first lesson kills conversion in this market.
- **Scope and positioning:** public marketplace, a per-centre operations console (schedule, capacity, bookings), a platform admin layer, and WhatsApp notifications, the channel this market already answers. Fully RTL Arabic, in a warm sand and meadow-green identity chosen against the dark sports-tech look of the category.

Saalem, Product Manager & AI Engineer

May 2026 to present

2 hrs to 20 min daily documentation, 6x faster per practitioner

- **Discovery:** nurses were losing roughly two hours a day to notes, and notes came back for correction because institutional policy lives in long documents nobody rereads mid-shift. The real cost was the rework loop, not the typing.
- **Outcome:** documentation time down to about twenty minutes per practitioner, measured with nurses in active practice.
- **Scope decision, draft and confirm, never auto-file:** the practitioner edits and signs every note. The liability and the accuracy belong to the human, so the product removes the typing, not the judgment.
- Commercial project. Roadmap and build details available on request.

Saden, Team Lead & AI Engineer

Jun 2026

1st place nationally, AgentX AI Hackathon, SAR 30,000

Code: github.com/Khayyal-AbaAlkhey1/Saden

- Led the team to first place nationally, owning both the product definition and the AI architecture for a Red Sea mangrove monitoring system.
- **Data-integrity decision:** removed manual entry from the UI entirely. Operators approve flights, they do not upload images or type sensor values, so the record cannot drift from reality.
- **Defined the decision rule the product is built around:** a 30% survival threshold switches the pipeline between growth analytics and survival analysis, changing what is measured and what is recommended to the operator.

Wifaq, Team Lead & AI Engineer

Aug 2026

3rd place, Agentic AI Bootcamp Hackathon, Saudi Digital Academy and atomcamp

- **Reframed the problem:** existing checkers answer whether two drugs interact. Patients need to know what to take and when, today, given that one dose was already taken late. The product answers the second question.
- **Non-negotiable requirement:** safety verdicts come from a deterministic rule engine, not the model. The system runs with no API key and loses only the explanation, never the safety logic.
- **Quality bar:** 114 guardrail tests covering safety veto, schema validation, iteration limits, and fail-closed behaviour before the prototype was shown.

Table Zone, Product Manager

Jun 2026 to Aug 2026

Live at tablezone.net

Live: tablezone.net

- **Table Zone:** restaurant table timing SaaS, live in production. A real time grid of table cards counting how long each party has been seated, so staff can see turn times at a glance rather than guessing. Spec through build. React Native/Expo, Express, Socket.IO.

Arabic Sign Language Digital Twin, AI Engineer, graduation project

In progress

- Reconstructing a smart glove's signal from ordinary RGB video. **Scoped the milestone to stop at validated 3D data**, before recognition. Building on unvalidated pose data would have produced a number that looked like progress.

Saudi Digital Academy and atomcamp. Team lead for Wifaq.

EDUCATION

BSc Computer Science, Qassim University

2022 to 2027, expected

GPA: 4.9 / 5.0

Focus: system architecture, artificial intelligence, advanced mathematics

Advanced Artificial Intelligence Program, KAUST Academy

2025 to 2026

Deep learning architectures, advanced machine learning, and AI system engineering. Competitive admission, one of a limited cohort of Saudi students.

SKILLS

Product

User discovery and problem framing, spec writing, scope and milestone definition, go-to-market sequencing, two-sided marketplace supply/demand, outcome metrics, feature flags and staged launch, prioritisation and deciding what not to build

Leadership & delivery

Team lead on two award-winning builds, cross-functional coordination, working with clinicians and operators as design partners, shipping to production

Technical fluency

Agentic AI and LLM systems, RAG, guardrails and evaluation, computer vision, speech-to-text, API and data-model design, row-level security

Hands-on

Python, TypeScript, React, React Native, Flutter, FastAPI, Postgres/Supabase, Docker, Git, Pytest, Arabic RTL product design

LANGUAGES

Arabic: Native

English: Professional working proficiency

CERTIFICATIONS

Advanced Artificial Intelligence Program, KAUST Academy, 2026

Linear Algebra for Machine Learning and Data Science, DeepLearning.AI, 2025

Calculus for Machine Learning and Data Science, DeepLearning.AI, 2025

Probability & Statistics for Machine Learning & Data Science, DeepLearning.AI, 2025

Python Basics, University of Michigan, 2024

Python Functions, Files, and Dictionaries, University of Michigan, 2024