

Abdulaziz Alghamdi

Tech Lead

Experienced technology leader specializing in AI, SaaS, and team management, delivering scalable solutions that enhance business performance and growth.

EXPERIENCE

Experts Vision Consulting, Mecca — *Software Solutions Architect*

JAN 2025 - PRESENT

- Developing the **Nusuk platform** for the Ministry of Hajj and Umrah (MOHU).
- Designing scalable backend systems using **low-code tools**.
- Building and maintaining frontend interfaces with **Next.js**.
- Managing **MongoDB** databases and data models.
- Managing integrations with **external services**.
- Collaborating with cross-functional teams to deliver reliable, **production-ready solutions**.

InvDro, Riyadh — *Co-Founder & CTO*

JUN 2023 - PRESENT

- Spearheaded the development of **drone-based solutions** for **inventory** and **logistics management**, leveraging **AI** and **IoT** technologies.
- Built and managed a **high-performing technical team**, driving product development from concept to launch.
- Established **technical strategies** aligned with business goals for **scalability** and **security**.
- Oversaw **cloud deployment** and **infrastructure optimization** for real-time drone analytics.

IDV, Riyadh — *Lead Software Engineer*

JAN 2022 - JUN 2024

- Managed and developed **multiple startups**, ensuring successful **product launches**.
- Led **coding** and **architectural design** for **SaaS** and **AI-based systems**.
- Mentored engineers, conducted **code reviews**, and enforced **best practices**.
- Evaluated emerging **technologies** to guide future initiatives.

neo minds holdings, Sri Lanka (Remote) — *Software Engineer*

Sep 2021 - Dec 2021

- Developed a **cross-platform mobile app** using **Agile methodologies**.

Riyadh, Saudi Arabia

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SKILLS

Team Leadership & Mentoring

Agile Project Management

Product Roadmapping

Strategic Planning & Execution

Innovation Management

TECHNICAL SKILLS

Python

MERN Stack

Database Design

CI/CD Pipelines

API Development

Cloud Solutions

Machine Learning

Artificial Intelligence

Computer Vision

VOLUNTEER WORK

Founding Member, SUNA – Game Developers Association

Founding Member, Saudi IoT Association

LANGUAGES

Arabic (Native)

English (Professional)

Interactive Saudi Arabia, Riyadh — *Software Engineer Intern*

Nov 2019 - Feb 2020

- Worked on a **cross-platform mobile app** for **Mawhiba** project, focused on talent development initiatives.

EDUCATION

Queensland University of Technology, Australia — *Aug 2021*

Bachelor of Engineering, Computer and Software Systems (Honours)

KEY PROJECTS

AI-Powered Drone Inventory System — *InvDro*

Developed a Python and machine learning-based solution integrating computer vision for automated inventory checks. Achieved an **80% reduction in manual processing time** and a **30% increase in accuracy**.

Building Management System — *CensorIT*

Built a SaaS platform integrating cloud technologies and IoT solutions to optimize energy and HVAC management. **Reduced operational costs by 30%** and **improved overall system efficiency**.

Environment Monitoring System — *THMS*

Designed and implemented a comprehensive environment monitoring system for government warehouses, enabling real-time tracking of temperature and humidity. This system ensured compliance with **CBAHI standards** and **improved operational oversight**, enhancing the **safety and reliability** of stored goods.

WORKSHOPS & TRAINING

Drone Building Hackathon — *Jeddah International College, ICAISC*

Led a hackathon involving three universities, focusing on **drone building** and **smart city solutions**. Encouraged participants to develop creative applications for drone technology while fostering collaboration.

Drone Programming Workshop — *The Drones Academy*

Conducted a workshop during the "Enabling Drone Technology in Smart Logistics" event, **providing hands-on training on drone programming** for logistics and smart technology applications.