

ALHassan Baligh ALShami

Software Engineer

📍 Haddah, Sana'a, Yemen

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Profile

Software engineer combining academic knowledge with hands-on practice to turn theoretical ideas into tangible outcomes in engineering environments. Strong believer in teamwork, time management, and practical, effective delivery, with a continuous drive for self-development and contribution in dynamic workplaces.



Education

International University of Technology Twintech | B.Sc. in Computer Science

2021 – 2025



Graduation Project: Object-tracking algorithm on Linux using Python and OpenCV, implemented on a live camera feed with real-time visualization of results. See the [repository](#) for the final report, transcript, specialization plan, and recommendation letters.



Professional Experience

Asaas AI | Co-Founder & Director of Quality Assurance

Jan 2026 – Present

Sana'a

Established testing and review standards and policies; evaluated software-system and AI-solution quality; and reviewed plans, feasibility studies, and product readiness before approval and launch.

AHD for Financial Services – Jaib Wallet | Multiple Roles

Sep 2025 – Present

Sana'a

- Deputy Development Manager (Jul 2026 – Present): Managed projects, analyzed internal development requirements, and delivered external system integrations.
- Developer, Development Dept. (Jan – Jul 2026): Built a production operations/accounting system integrated with Jaib Wallet workflows.
- Development Trainee (Dec 2025 – Jan 2026): Worked with .NET backend logic, SQL databases, web features, testing, and troubleshooting.
- Customer Service Trainee (Sep – Dec 2025): Handled ticketing-system calls and applied compliance policies.

Water & Sanitation Local Corporation | Control Engineer Trainee

Aug – Dec 2024

Al Hudaydah

Monitored PLC panels and field signals (pumps, levels, alarms); supported preventive maintenance, wiring, and control-loop troubleshooting; coordinated with technicians, documented faults, and ensured safe restart procedures.

Al-Rahma Foundation | Network Engineer Trainee

Jan – Dec 2023

Sana'a

Operated and maintained internal LAN/Wi-Fi networks and basic router/switch configurations; supported cabling, routine follow-up and logs; documented incidents and suggested stability improvements.

Private Project (Healthcare & Apparel) | Sales

2020 – 2022

Sana'a

Managed customer relationships, orders and invoices; organized inventory data and prepared simple sales reports; followed up on purchasing and supplier communication.

Glory of Civilization Schools | Administrative Assistant Trainee

Jan – Dec 2019

Sana'a

Supported daily school operations, events, schedules, and interdepartmental coordination.



Memberships

1

CYBERAI CLUB

Member of the Artificial Intelligence and Projects Committees.

2

SOCIETY OF PETROLEUM ENGINEERS (SPE)

Used SPE technical programs to broaden understanding of petroleum engineering and operations.

3

Al-Hamdi Foundation for Human Development

Program participant and volunteer; supported events and peer learning.

4

Nastatee Charity Association

Community volunteer supporting youth technology initiatives and event logistics.

5

Yemen Elite Bloc

Active in AI/robotics and programming units; peer mentoring and event logistics support.



Language Skills

- Arabic — Native |
- English — B2 |
- German — B1 |



Technical Skills

- Dart/Flutter, Android Studio
- Python, HTML/CSS/JS
- C/C++, Java
- Databases
- OOP / Data Structures / Algorithms
- Data Mining: Weka/Orange
- Routing/Switching & Structured Cabling
- Linux & Operating Systems
- Hardware & Troubleshooting



Interests

- Community: Open source, hackathons, tech-club events, mentoring.
- Personal: Technical reading, sports, scientific research, languages.
- Technical: Web/mobile, modeling & simulation, cloud computing, electrical systems & control.



References

- Eng. Mohammed Al-Hazmi — [+967 774 760 761](tel:+967774760761)
- Mohammed Al-Sanea — [+967 775 148 168](tel:+967775148168)
- Prof. Dr. Fadl Baalawi — [+967 777 877 766](tel:+967777877766) — dr.fadlbaalwi@gmail.com
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Certifications & Courses

- [2026 | CYBERAI Club — Automation & AI Agents](#)
- [2025 | Yemen Elite Bloc — Research Development](#)
- [2025 | Yemen Intern Platform — Work Ethics, Professional Environment & Teamwork](#)
- [2025 | Yemen Elite Bloc \(Technology & IT Sector\) — Artificial Intelligence Program \(Ongoing\)](#)
- [2025 | Yemen Elite Bloc \(Technology & IT Sector\) — Front-End Development Bootcamp \(Ongoing\)](#)
- [2025 | New Horizons Institutes — Graphic Design Diploma \(In Progress\)](#)
- [2025 | Sana'a University – Faculty of Engineering — Deep Learning & Computer Vision](#)
- [2025 | Sana'a University – Faculty of Engineering — Robotics](#)
- [2025 | Sana'a University – Faculty of Engineering — Embedded Systems](#)
- [2025 | Sana'a University – Faculty of Engineering — MATLAB](#)
- [2025 | Sana'a University – Faculty of Engineering — Network Administration](#)
- [2025 | Sana'a University – Faculty of Engineering — Artificial Intelligence & Raspberry Pi](#)
- [2025 | New Horizons Institutes — CompTIA A+](#)
- [2025 | AI APPROACH CLUB — Data Analysis & Machine Learning](#)
- [2024 | Al-Hamdi Foundation — Medical Program \(First Aid, Injection Types, Vital Signs\)](#)
- [2024 | New Horizons Institutes — MikroTik Fundamentals](#)
- [2024 | Sana'a University – Faculty of Engineering — Networks](#)
- [2024 | Sana'a University – Faculty of Engineering — Programmable Logic Controllers \(PLC\)](#)
- [2024 | Sana'a University – Faculty of Engineering — Arduino](#)
- [2024 | Sana'a University – Faculty of Engineering — Solar Energy](#)
- [2024 | Al-Hamdi Foundation — Advanced Digital Marketing](#)
- [2024 | Al-Hamdi Foundation — Small Project Management](#)
- [2024 | Al-Hamdi Foundation — Administrative Program \(Business, Human Resources, Customer Service\)](#)
- [2023 | Al-Hamdi Foundation — Emergency Humanitarian Response — SPHERE Standards](#)
- [2020 | New Horizons Institutes — ICDL \(International Computer Driving Licence\)](#)
- [2019 | Science & Technology Center — Mobile Phone Maintenance Diploma](#)

Open --< [Certificate Documents](#) >-- to view them in the repository.



Projects & Work

1) Pump Station Analytics

Predictive maintenance for wastewater pumps.

2) Real-Time Image Classification API

Lightweight Flask service that accepts an image and returns the top three classes.

3) Real-Time Object Detection

Live Python/PyTorch + OpenCV pipeline.

4) OMNIFOOD — Responsive Landing Page

Single-page layout with a hero section and anchor navigation.

5) URBANMINDOS — Smart City Operating System

Showcases autonomous aerial mobility.

6) Obstacle Avoidance

Real-time monocular depth estimation with TensorFlow for detection and avoidance.

7) AI Tic-Tac-Toe

Unbeatable Minimax AI with an interactive Pygame interface.

8) Pac-Man with PYGAME

Version with animation, collision detection, ghost AI, and power-ups.

9) Text Summarizer

Desktop application for extractive summarization with adjustable output length.

10) Inventory & Sales Manager

CRUD web application for electronics (laptops/phones/PS5).

11) User & Role Manager

Create/update users, reset passwords, and assign permissions (Oracle Forms 6i + PL/SQL).

12) ROBOCAM CONTROLLER (FLUTTER + DART)

Android application for controlling a camera-equipped robot via an on-screen joystick.

13) Student Evaluation System

Attendance and grades system with role-based access (Admin/Teacher/Student) — C# Desktop + PHP Web.

14) Café POS System

Login, CRUD items, sales, and reports (Java Swing + JDBC).

15) MIKROTIK Hotspot Portal

Dual-WAN RouterOS setup with PPPoE links, a Hotspot portal, and RADIUS.

16) ARDUINO Traffic Light Controller

Two-way intersection with safety protections and a pedestrian crossing button.

Explore my future projects in programming, engineering, and graphic design on --< [GITHUB](#) >--