

# ALHassan Baligh ALShami

## Software Engineer

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### PROFESSIONAL SUMMARY

Software engineer combining academic knowledge with hands-on implementation to turn theoretical ideas into practical outcomes in engineering environments. Strong focus on teamwork, time management, effective delivery, continuous self-development, and contributing in dynamic workplaces.

### PROFESSIONAL EXPERIENCE

**Asaas AI | Co-Founder & Director of Quality Assurance | Jan 2026–Present | Sana'a**  
• Set testing and review standards and policies; evaluated software-system and AI-solution quality; reviewed plans, feasibility studies, and product readiness before approval and launch.

**AHD Financial Services – Jaib Wallet | Multiple Roles | Sep 2025–Present | Sana'a**  
• **Deputy Development Manager (Jul 2026–Present):** organize and manage projects, analyze internal development requirements, and deliver system integrations with external institutions.  
• **Developer – Development Department (Jan–Jul 2026):** built a production operations/accounting product integrated with Jaib Wallet workflows and contributed to software development.  
• **Development Trainee (Dec 2025–Jan 2026):** .NET backend, SQL, web features, testing, and troubleshooting.  
• **Customer Service Trainee (Sep–Dec 2025):** handled calls through the ticketing system 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.

**Al-Rahma Foundation | Network Engineer Trainee | Jan–Dec 2023 | Sana'a**  
• Operated and maintained LAN/Wi-Fi networks and basic router/switch settings; supported cabling, 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 and simple sales reports; followed up purchases and supplier communication.

**Glory of Civilization Schools | Administrative Assistant Trainee | Jan–Dec 2019 | Sana'a**  
• Supported daily school operations and events; coordinated schedules and interdepartmental communication.

### 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.  
Repository: final report, transcript, specialization plan, and recommendation letters.

### CERTIFICATIONS & COURSES

**2026 | CYBERAI:** Automation & AI Agents.  
**2025 | Yemen Elite Bloc:** Research Development; Artificial Intelligence Program (ongoing); Front-End Development Bootcamp (ongoing).  
**2025 | Yemen Intern Platform:** Work Ethics, Professional Environment & Teamwork.  
**2025 | New Horizons:** Graphic Design Diploma (in progress); CompTIA A+.  
**2025 | Sana'a University – Faculty of Engineering:** Deep Learning & Computer Vision; Robotics; Embedded Systems; MATLAB; Network Administration; Artificial Intelligence & Raspberry Pi.  
**2025 | AI APPROACH CLUB:** Data Analysis & Machine Learning.  
**2024 | Al-Hamdi Foundation:** Medical Program (First Aid, Injection Types, Vital Signs); Advanced Digital Marketing; Small Project Management; Administrative Program (Business, HR, Customer Service).  
**2024 | New Horizons:** MikroTik Fundamentals.  
**2024 | Sana'a University – Faculty of Engineering:** Networks; PLC; Arduino; Solar Energy.  
**2023 | Al-Hamdi Foundation:** Emergency Humanitarian Response – SPHERE Standards.  
**2020 | New Horizons:** ICDL (International Computer Driving Licence).  
**2019 | Science & Technology Center:** Mobile Phone Maintenance Diploma.  
**Certificate repository:** github.com/a2sn2/certificates.git

### 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.

### 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.

### LANGUAGES

• Arabic — Native  
• English — B2  
• German — B1

### PROJECTS

**1) Pump Station Analytics** — predictive maintenance for wastewater pumps.  
**2) Real-Time Image Classification API** — lightweight Flask service returning the top 3 classes.  
**3) Real-Time Object Detection** — Python/PyTorch + OpenCV live pipeline.  
**4) OMNIFOOD** — responsive single-page website with anchor navigation + Hero section.  
**5) URBANMINDOS** — smart-city concept showcasing autonomous urban air mobility.  
**6) Obstacle Avoidance** — monocular depth estimation with TensorFlow for detection and avoidance.  
**7) AI Tic-Tac-Toe** — unbeatable Minimax AI with Pygame interface.  
**8) Pac-Man/Pygame** — animation, collision detection, ghost AI, and power-ups.  
**9) Text Summarizer** — desktop extractive summarization with adjustable output length.  
**10) Inventory & Sales Manager** — CRUD web app for electronics (Laptops/Phones/PS5).  
**11) User & Role Manager** — Oracle Forms 6i + PL/SQL; create/update users, reset passwords, assign permissions.  
**12) ROBOCAM Controller (Flutter + Dart)** — Android robot control with camera feed and on-screen joystick.  
**13) Student Evaluation System** — C# Desktop + PHP Web; attendance/grades and role-based access.  
**14) Café POS** — Java Swing + JDBC; login, CRUD items, sales, reports.  
**15) MikroTik Hotspot** — Dual-WAN RouterOS, PPPoE, Hotspot portal, RADIUS.  
**16) Arduino Traffic Light** — two-way intersection with safety logic and pedestrian button.  
**Future projects:** github.com/a2sn2

### TECHNICAL SKILLS

**Programming & Apps:** Dart/Flutter, Android Studio, Python, HTML/CSS/JS, C/C++, Java.  
**Data & Computer Science:** Databases, OOP, Data Structures, Algorithms, Data Mining (Weka/Orange).  
**Systems & Networks:** Routing/Switching, structured cabling, Linux & operating systems, hardware & troubleshooting.

### REFERENCES

• Eng. Mohammed Al-Hazmi — +967 774 760 761  
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