



# HASAN ALI

Full-Stack Software Engineer | AI-Driven Solutions & Project Coordination

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## PROFILE

Full-stack software engineer with expertise in modern web development, cloud technologies, and AI-assisted solution building. Experienced developing scalable applications using JavaScript, Node.js, React, MongoDB, and PostgreSQL, with hands-on experience building AI-powered applications using LLMs, RAG architectures, and machine learning tools. Combines strong technical foundations with project coordination and stakeholder-management experience across enterprise and startup environments.

## HIGHLIGHTED SKILLS

- **Programming Languages:** JavaScript, Python, PHP (MVC), Java, C#, HTML, CSS, SQL
- **Frameworks & Libraries:** Node.js, Express, React, Django, ASP.NET, LangChain, Mongoose, Streamlit, Flask
- **Databases:** MongoDB, PostgreSQL, MySQL, SQL Server, ChromaDB
- **AI & Machine Learning:** Generative AI, LLMs, RAG, Prompt Engineering, Gemini API, Scikit-Learn, Pandas, NumPy
- **Cloud & Tools:** AWS Cloud Security, Microsoft Power Platform, Git/GitHub, OutSystems, VS Code, Render, Replit
- **Methodologies & Soft Skills:** Agile/Scrum, Leadership, Project Coordination, Problem Solving, Communication
- **Business & Sales:** B2C & B2B Sales, CRM Tools, Social Media Marketing, Customer Need Analysis
- **Languages:** Arabic (Native), English (Fluent)

## SOFTWARE ENGINEERING EXPERIENCE

### Project Manager, INFINITEWARE

Nov 2025 – Present

- Selected for the BRINC x Tamkeen Open Innovation Program focused on software development, AI, and data processing.
- Coordinated cross-functional delivery of an AI-driven predictive maintenance proof-of-concept, aligning engineers, data scientists, and business stakeholders — owned documentation, milestone tracking, and stakeholder communication rather than model implementation.
- Supported prototyping, testing, and validation activities, and participated in mentorship sessions and UI/UX workshops for prototype refinement.

### Software Engineering Immersive Fellow (Part-Time), General Assembly Middle East

Nov 2025 – May 2026

- Intensive software engineering program covering full-stack web development, algorithms, and software design principles.
- Built production-ready applications and collaborated on team projects using industry-standard workflows.

## PROFESSIONAL EXPERIENCE

### Sales Associate, Massimo Dutti

Feb 2024 – Feb 2025

- Achieved 120% of monthly sales targets through upselling and personalized client engagement.
- Improved store performance by optimizing product presentation and customer experience.

### Retail Sales Specialist, Zain Bahrain

Dec 2022 – Dec 2023

- Consistently exceeded sales targets and maintained meticulous records of customer interactions.
- Developed and implemented social media marketing strategies to increase brand awareness.

### Direct Sales Representative, Zain Bahrain

Dec 2021 – Dec 2022

- Drove a 20% revenue increase through strategic campaigns and client retention initiatives.
- Led a team of 5 associates, improving customer satisfaction by 15%.

## PROJECTS

**AI-Driven Predictive Maintenance Platform** — Project Coordinator (Next.js, React, Node.js, PostgreSQL, Python, Scikit-Learn)

- Coordinated a senior capstone predictive-maintenance platform built for Aluminium Bahrain (via INFINITEWARE, Tamkeen/BRINC Program), aligning engineers, data scientists, and business stakeholders.
- Managed documentation, milestone tracking, and stakeholder communication for an anomaly-detection pipeline trained on ~200,000 real SCADA data points (96.6% detection rate).

#### **ReWear Bahrain** — *Full-Stack Developer (React, Vite, Express.js, Node.js, MongoDB Atlas, JWT, Leaflet)*

- Designed and built a gamified peer-to-peer circular-fashion marketplace where users exchange clothing using an Eco-Credits reward system.
- Implemented JWT authentication, item listings, geolocation-based discovery (Leaflet), and a full REST API on an Express 5 / MongoDB Atlas backend.

#### **AI Travel Assistant** *(Python, Django, Gemini, LangChain, ChromaDB, RAG, Streamlit, Render)*

- Built an AI-powered travel assistant using RAG architecture and the Gemini LLM to generate personalized itinerary recommendations, deployed on Render with a Streamlit interface.

#### **Football RAG Chat Assistant** *(Python, Django, Gemini, LangChain, ChromaDB, RAG)*

- Built a conversational AI application using Retrieval-Augmented Generation to deliver context-aware football information and Q&A.

#### **MyMeds** *(Node.js, Express, MongoDB, EJS, bcrypt, Render)*

- Built a full-stack medication management app with secure authentication, role-based access control, and intake logging.

#### **ServicesHub** *(Node.js, Express, MongoDB)*

- Built a collaborative backend connecting service providers with clients via RESTful APIs, CRUD operations, and scalable schema design.

#### **MoFNE Committee Management System** *(OutSystems Low-Code Platform)*

- Delivered a bilingual (Arabic/English) committee management system for Bahrain's Ministry of Finance and National Economy — meeting scheduling, action-item workflows, and meeting minutes — as part of a 3-person capstone team.

#### **Borrow My Charger** *(PHP MVC, MySQL, AJAX, Google Maps API)*

- Built an EV charger booking app with real-time search, AJAX filtering, and Google Maps integration for charger discovery.

## PROFESSIONAL CERTIFICATIONS

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- **Microsoft Certified:** Power Platform Developer Associate (PL-400) — Microsoft, 2024
- **AWS Academy Graduate** — Cloud Security Foundations — AWS Academy, 2025
- **NVIDIA DLI Certificate** — Getting Started with Deep Learning — NVIDIA, 2024
- **NOCN Entry Level Certificate** in Employability Skills — NOCN, 2022

## COMMUNITY ENGAGEMENT

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- **Executive Member & Financial Treasurer**, Developer Club, Polytechnic Bahrain — Oct 2023 – Feb 2026
- Co-organized BUILD Hackathon — the largest and first student-led hackathon at Polytechnic Bahrain (Reboot IT initiative), engaging 150+ students and managing event finances and logistics.
- **Marketing Team Member**, AIESEC Bahrain — SDG-13 Community Outreach — Feb – Sep 2021

## AWARDS

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- **Best Position Paper** — IKMUN Model United Nations, academic recognition for outstanding research and argumentation
- **Model Making Award** — recognition for excellence in practical design and engineering
- **Academic Excellence Award** — Polytechnic Bahrain

## EDUCATION

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- **B'ICT — Computer Programming**, Bahrain Polytechnic — Sep 2022 – May 2026
- **Software Engineering Immersive (Part-Time)**, General Assembly Middle East — Nov 2025 – May 2026
- **Software Engineering & Java Bootcamp**, Skills Union — Jan – Jun 2025