

Majd Khalid Alsahafi

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Software Engineer | Full-Stack Developer | Digital Transformation | Business Analysis

Software Engineering fresh graduate with hands-on experience delivering digital transformation, workflow automation, full-stack web applications, AI solutions, and business-driven software projects. Experienced in collaborating with cross-functional teams, gathering business requirements, developing scalable applications, and creating data-driven dashboards. Passionate about innovation, problem solving, and contributing to impactful national project.

EDUCATION

University of Jeddah | Jeddah, Saudi Arabia

- Bachelor of Science in Software Engineering Aug 2021 – Jun 2026
- GPA: 4.83/5.0

EXPERIENCE

Software Engineering Intern

Jeddah Municipality – Development Department | Jeddah, Saudi Arabia Jun 2025 – Aug 2025

- Designed and developed workflow management application prototypes that digitized administrative processes.
- Gathered and translated business requirements into system workflows, technical solutions, dashboards, and interface designs.
- Developed Power BI dashboards supporting executive reporting and data-driven decision making for digital transformation initiatives.
- Collaborated with cross-functional stakeholders to deliver solutions supporting digital transformation initiatives.

Artificial Intelligence Trainee

KAUST Academy | Thuwal, Saudi Arabia Nov 2024 – Jan 2025

- Completed 40+ hours of intensive training in machine learning, data science, Python programming, and AI development workflows.
- Built and evaluated machine learning models using data preprocessing, feature engineering, and model evaluation techniques.

FEATURED PROJECTS

Si'aa - Smart Storage Marketplace Platform (Graduation Project)

Sep 2025 – May 2026

- Tech Stack: Next.js, React, JavaScript/TypeScript, Azure SQL, REST APIs, Leaflet, UI/UX Design
- Developed a full-stack web application using React, Next.js, RESTful APIs, and Azure SQL, writing clean, maintainable, and well-documented code following software engineering best practices.
- Designed and integrated RESTful APIs to support secure communication between frontend, backend, and database components.
- Built and optimized relational databases for users, bookings, listings, and business transactions.
- Implemented business logic, data validation, workflow automation, and responsive user interfaces.
- Performed testing, debugging, and continuous improvements to enhance application reliability and performance.

Hazeem – Intelligent Traffic Violation Detection System

Feb 2025 – Jun 2025

- Tech Stack: Python, C++, Arduino, Flutter, Firebase, Computer Vision, IoT
- Awarded **2nd Place in the Absher Hackathon 2025**, earning a **SAR 150,000** prize for developing an AI-powered intelligent traffic violation detection system.
- Developed an AI-powered application using Python to automate traffic violation detection.
- Applied object-oriented programming principles while integrating computer vision services with Firebase through REST APIs.

CERTIFICATIONS

- Google UX Design Professional Certificate | Google – Coursera 2025
- IBM Professional Certificates in Software Development | IBM – Coursera 2025

SKILLS

Technical Skills:

- Programming Languages: Java, Python, JavaScript, TypeScript, SQL
- Frameworks & Web: React.js, Next.js, Node.js, HTML5, CSS3, REST APIs
- Databases & Tools: Azure SQL, Firebase, Git, Power BI, Figma, Microsoft (Excel, PowerPoint, Word)
- Software Engineering: OOP, Data Structures & Algorithms, SDLC, Software Testing, Debugging, Agile, Requirements Analysis

Soft Skills:

- Project Management, Communication, Team Collaboration, Relationship Building, Critical Thinking, Problem Solving, Time Management

LANGUAGE

- Arabic (Native)
- English (Professional Working Proficiency - STEP: 90/100)