

Majd Khalid Alsahafi

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Software Engineer | Full-Stack Developer | Enterprise Applications

Software Engineering fresh graduate with hands-on experience developing full-stack web applications, RESTful APIs, workflow automation systems, and database-driven solutions. Proficient in Java, Python, JavaScript, TypeScript, SQL, React.js, Next.js, Node.js, Git, and Azure SQL. Strong foundation in object-oriented programming, data structures, algorithms, SDLC, software testing, debugging, version control, and technical documentation. Passionate about building secure, scalable, and high-performance software solutions while continuously learning new technologies and developing reliable enterprise applications.

Education

Bachelor of Science in Software Engineering

University of Jeddah | Jeddah, Saudi Arabia

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 to improve reporting, operational visibility, and business decision-making.
- Collaborated with cross-functional teams 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, winning a 150,000 SAR award.
- 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.
- Tested, debugged, and optimized AI models to improve system performance and reliability.

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, GitHub, Power BI, Figma
- Software Engineering: OOP, Data Structures & Algorithms, SDLC, Software Testing, Debugging, Agile, Requirements Analysis

Soft Skills

- Analytical Thinking, Problem Solving, Communication, Team Collaboration, Adaptability, Time Management, Attention to Detail

Language

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