Mohammed Alfadl

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EDUCATION

KING SAUD UNIVERSITY Riyadh, KSA
Bachelor of Engineering, Expected Aug 2025
Major in Software Engineering, Cumulative GPA: 4.7/5.0

WORK EXPERIENCE

WADAIE - FINTECH COMPANY Riyadh, KSA
Software Engineer Jan 2025 – Present

- Architected back-end APIs using ASP.NET Core and PostgreSQL with Redis caching, handling 2500+ daily transactions while maintaining idempotency and data consistency.
- Established critical financial system attributes including transaction reconciliation, non-repudiation, and audit logging, ensuring regulatory compliance and system integrity.
- Spearheaded integration with Elm, Mozn, and Lean for KYC verification, fraud detection, and payment processing while leveraging Hangfire to slash operational workload by 25%.

SAMMU AI Riyadh, KSA
Co-founder and CTO Jun 2024 – Present

- Secured over 225,000+ SAR in funding from the Misk Foundation and CST Commission for an AI-powered voice agent startup automating customer service calls.
- Engineered an Interactive Voice Response system combining Asterisk with SIP trunking, WebRTC, and FreePBX for optimized real-time communication.

SAMI - ADVANCED ELECTRONICS COMPANY Riyadh, KSA
Software Engineer Intern Jul 2022 – Aug 2022

- Trained under senior engineer with 10+ years of experience in React, HTML, CSS, and Javascript technologies.
- Applied UI/UX best practices to two web projects after intensive mentorship from an experienced designer.

PROJECTS

Munaseq - Event Management System Dec 2024

- Crafted a comprehensive full-stack event platform using Next.js, NestJS, PostgreSQL, and Prisma, enhancing user experience with Framer Motion animations and AWS S3 storage integration.
- Orchestrated backend containerization with Docker, deployed via DigitalOcean, and established CI/CD pipeline using GitHub Actions following industry best practices.
- Instituted robust JWT authentication system with DTOs to guarantee efficient, validated data flow between client and server.

Basirah – Intelligent Financial Analysis Partner Nov 2024

- Pioneered an AI platform transforming complex financial data into actionable insights, empowering investor decision-making.
- Integrated LangChain with Mixtral-8x22b and GPT-4o LLMs on Next.js framework, delivering both open and closed-source solutions.
- Achieved 4th place at the Elm Datathon, earning 8,000 SAR prize for innovation and market impact.

CERTIFICATIONS & AWARDS

AWS CERTIFIED SOLUTIONS ARCHITECT - ASSOCIATE Riyadh, KSA
Amazon Web Services (AWS) Nov 2024

WON 150,000 SAR IN TECH INNOVATION CHALLENGE Riyadh, KSA
Communication, Space And Technology Commission (CST) Oct 2024

ACTIVITIES

SOCIAL CULTURAL CLUB (SCC) Riyadh, KSA
Technical Team Member Mar 2023 – Present

- Facilitated professional resume writing workshop for 50+ students, demonstrating effective techniques and strategies.
- Launched web development program for 40 university students, fostering progressive skill acquisition.

FUTURE TECHNOLOGY CLUB (FTC) Riyadh, KSA
Operations Team Member Aug 2023 – Present

- Arranged LinkedIn optimization workshops, equipping 100+ club members with strategies to enhance their digital presence.

ADDITIONAL

Technical Skills: HTML, CSS, Javascript, React.js, Node.js, Python, Git, Github, Tailwind, Nest.js, Next.js, Figma, Docker, Prisma, SDLC, Flask, AI, Machine Learning, UI/UX, SQL, Cloud Computing, Solutions Architecture, Deep Learning, Pytorch, Pandas, Numpy, Java, PostgreSQL, Authentication, Analytics, BI, Business Analysis, Management Consulting, Microsoft Office, CI/CD, DevOps, Firebase, Langchain, Scrum, IVR systems

Languages: Fluent in English and Arabic; Beginner in Norwegian