

Summary

13 years of professional experience in software engineering. Building complex solutions end to end with passion for modularity, user-experience and automation.

Education

Bsc. In computer science (Software Engineering) from Ahram Canadian Univeristy (ACU)

Experience

Technical lead at Hexio tech (Malaysia)
since February 2024.

Fullstack Developer (Android, iOS and web) at Inspira-tech (USA - California)
since December 2019

Fullstack Developer (Android and web) at Bella donna (Egypt)
since June 2018

Technical Manager at Fadah channel (renamed to BF channel) (SAE)
since June 2017

Software Development Team Leader at Fadah channel
since June 2016

Android Development Team Leader and IoT Developer at Qoudra
since April 2014

Java Mobile Developer (J2me & Android) at Qoudra
since december 2012

C# Developer at NASOCT October
since November 2010

Skills

Databases

Relational DB (PostgreSQL, MySQL)
NoSQL (MongoDB)

Cloud

AWS
Linode
Contabo
Hostinger

Web Frontend

JS, TS, Vue.js, Nuxt, TailwindCSS, DaisyUI

Backend

Springboot - Java EE
Laravel - PHP

UI/UX & wireframes

Pencil
LibreDraw
GIMP

Mobile

Android Native Java
iOS Native Swift & SwiftUI
PWA & Service workers

Other Technologies

Maven, Gradle, Docker, Spring Data, Linux, Bash, SVN, ECR, ActiveMQ, MQTT, JMS, NATS, RESTful, SOAP, Crawling, Raspbian, Ubuntu Core, Debian, JUnit, asynchronous socket development, Apache2, H2 inMemory DB, GitLab, ...

Technical Awards

- 1st place Nokia Asha S40 competition
- 2nd place Nokia Asha (Innovate for Asha)
- 11th place in Samsung Artik worldwide (In a team)
- 1st place in Matrix Multimedia for Miac technologies (easylab project England)

Projects Highlights

HaNa (AI Halal Certification Assistant)

Developed AI Assistant that transforms halal certification management by leveraging the advanced AI of HalalGPT and the reliable data from HDC. It streamlines the certification and vendor verification processes, delivering accurate and current information specifically designed to meet the needs of businesses looking to get Halal certified worldwide.

Cubfinder

IoT smart watches and portable devices connected to servers, controllable by administration system with multiple roles, and mobile apps, monitoring its data, location and the system provide the ability to configure and secure it remotely.

Belladonna

e-commerce system, integrated with Mastercard gateway through AAIB to sell clothes, with stock management, and administration, for bulk import products, and bulk update prices and eligible information, and to manage delivery states integrated with Aramex system, and it has a promotion system, mobile apps and website.

Sanad

mobile apps that connects satellite channel audience with the channel administration, to be able to vote, comment, view channel schedule for episodes and programs, and to view info about stuff, show live stream of the channel, and hear the radio channel, it has continuous challenges and competitions between users, real time notifications on special events.

MANET CAD

BLE Beacon IoT Solution for BLE research purposes which gives the power of deploying personalized services over bluetooth using beacons. Users has the ability to monitor their beacons performance and collect analytics through web, and mobile apps.

Companies Highlights

Vodafone

Telecomax

Nestle

Not Courses

Smiley's Grill

El-Midan SAT Channel (SAE)

Saudi Geological Survey (SAE)

Achievements

- Reduced a project cloud cost to about 10% of the full cost with the same performance and availability and better sustainability and durability. (the old cost was about \$3500, the new cost about \$380) (in 2016)
- Developed Mobile apps that hit 1,000,000 active user (in 2014).
- Implemented my own continuous delivery (CD) software (in 2015)
- Depending on my own trusted mailing server (SMTP, IMAP) in my systems (since 2019)
- Depending on my own Beta Geolocation service (since 2019)
- Developed Nokia App with 10,000 downloads in 1 month with no marketing (2010)
- Cleaned and cured a project from (injected malicious code) manually (Note: the company had no backups!) (2020)

Leadership

- Drove platform evolution through microservices architecture, event-driven systems, and containerization.
- Enabled engineering teams to deliver faster and more reliably by defining reusable architectural patterns, frameworks, and shared services.
- Served as the primary technical authority for complex projects, guiding design decisions from concept through production deployment needs.