

Sahal A. Alturaigi

Software Engineer – AWS Certified – Scrum Certified

Diligent, process- and results-driven, teamwork-focused software engineer that comes from a broad technical background in cybersecurity, data analytics, and web-app development in FMCG sales and Health Information Systems. Bilingual in English (native speaker) and Arabic. My goal is to become a subject matter expert in software architecture and then start teaching in my retired years.



saal4106@gmail.com



[linkedin.com/in/sahlealturaigi/](https://www.linkedin.com/in/sahlealturaigi/)



+966 53 384 4827



www.sahle-alturaigi.com

Technical Skills

Web-app Development

ASP.NET Core, SQL Server, PostgreSQL, MongoDB, Redis, JavaScript (Node.js, Express), AWS services, Unity, Dapper, xUnit, Dapper, Entity Framework.

Concepts and Methodologies

Microservice architecture, Agile (Scrum/Kanban), MVC, Monolithic apps, REST, gRPC, SPA, Health Information Systems (HIS), Cloud, SOLID, Test-Driven Development, Domain-Driven Development, most major OOP design patterns, Distributed Systems design.

Data Analytics

Python, Jupyter Notebooks, QlikSense, AWS ML Suite.

Work Experience

IT Product Lead

Badael Company (Public Investment Fund affiliated) – Riyadh, Saudi Arabia

01/2024 – Present

- Took on various roles within Badael where the company's technical capabilities were limited. Some areas include:
 - Evaluating, challenging, and designing technical solutions presented by vendors.
 - Testing and proposing security fixes to DZRT e-commerce. E.g. removal of bot accounts.
 - Removing fraudulent websites that impersonate DZRT.
 - Providing the business with complex, ad-hoc queries directly from DZRT e-commerce databases.
- Has been awarded in Badael for acting immediately and making an impact within the first week upon joining.
- Working partly as a product manager and product lead with vendors on DZRT e-commerce 2.0.

بدائل
badael



Senior Backend Engineer

Cloud Solutions – Riyadh, Saudi Arabia

08/2020 – 12/2023

- Part of special development team for building a new virtual healthcare mobile application on Android and iOS. App handles full SOAP note, prescriptions, lab/radiology orders, physician appointments over video call, and patient health information records.
- Responsible for several microservices including the electronic medical record which handles effectively all of patient's health information and physician information.
- Adapted team to a Test-Driven Design process. Responsible for writing unit and integration tests for major microservices as well as teaching the backend team on how to implement TDD into their microservices.
- Solutioning and optimizations on increasing performance of the application along with benchmarking methods to present proof to the business.



Project Manager/Data Engineer

Almarai – Dubai, UAE

08/2018 – 08/2020

- Gathering insights from company's central data and building stories on areas to reduce costs or increase margin.



- Part of a three-person team for an SKU assortment optimization project that utilizes clustering and multi-linear regression models. Doing monitoring, statistics, and building dashboards for the team; interfacing with vendors.
- Rolling out of SKU assortment optimization project across the entire gulf (KSA, UAE, Bahrain, Oman, and Kuwait) for over 50,000 stores.

Full-Stack Web Developer

Almarai – Riyadh, Saudi Arabia

03/2016 – 08/2018

- Designed and implemented both backend and frontend for an internal sales workflow with over 500,000+ transactions processed. Application is still live.
- Created workflow for registering new users for IT device access, VPN access, and internet access, thus removing the need for paper-based approvals. The processing time for access to services has been reduced to 3 days down from 2 weeks. Application is still live.



Web App Penetration Tester

Electronia – Riyadh, Saudi Arabia

05/2015 – 03/2016

- Performed web application penetration tests, code analysis, and built on-the-job tools for the team such as port scanners, crackers, SSH bots, etc.
- Hardened and worked in security operations center for a Saudi Ministry of Foreign Affairs.



Education and Professional Certificates

AWS Cloud Practitioner

Amazon – CLF-C01

January 2023

Professional Scrum Master I

Scrum – PSM-1

Summer 2022

Almarai Leadership Exploration Program

BTS Group AB

09/2018 – 09/2019

Machine Learning Fundamentals

Codecademy Pro

02/2019 – 04/2019

Data Analysis, Pro Intensive

Codecademy Pro

03/2018 – 06/2018

Almarai Future Leader Program

The Institute of Leadership & Management

09/2015 – 09/2018

Usable Security Course

University of Maryland

Summer 2015

Bachelor of Computer Science

University of Colorado at Boulder, USA

08/2010 – 12/2014

Volunteering + Extras

Backyard Experiential

Scrum Master and Systems Architect

08/2023 – Present

G8 Hackathon

3rd place winner (20,000 SAR prize)

18/08/2022 – 24/08/2022

GameFounders

Video game development Incubator/Accelerator

01/2023 – 05/2023

KPMG Saudi Arabia

Junior IT auditing and compliance

03/2015 – 05/2015

Personal Interests

I am a strong advocate for community building and investing in others. When I am not working, I enjoy bicycling, hiking, and playing board games with friends. If you enjoy reading books, I highly recommend *Perdido Street Station* by China Miéville and *The Three Body Problem* by Liu Cixin.