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 CTO and then start teaching in my retired years.

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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

Senior Backend Engineer
Cloud Solutions – Riyadh, Saudi Arabia
08/2020 – Present

- 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 electronic medical record microservice which handles effectively all of patient's health information and physician information.
- Helped adopt team to Test-Driven Design process. Responsible for writing unit and integration tests for some microservices as well as teaching the backend team on how to implement TDD into their microservices.
- Coming up with solutions on increasing performance of the application along with benchmarking methods so as to present proof to the business.
- Responsible for migrating old, legacy applications into newer, modern, web-based ones.

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. 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

Data Analysis, Pro Intensive
Codecademy Pro
03/2018 – 06/2018

Professional Scrum Master I
Scrum – PSM-1
Summer 2022

Almarai Future Leader Program
The Institute of Leadership & Management
09/2015 – 09/2018

Almarai Leadership Exploration Program
BTS Group AB
09/2018 – 09/2019

Usable Security Course
University of Maryland
Summer 2015

Machine Learning Fundamentals
Codecademy Pro
02/2019 – 04/2019

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

GameFounders
Video game development Incubator/Accelerator
01/2023 – 05/2023

G8 Hackathon
3rd place winner (20,000 SAR prize)
18/08/2022 – 24/08/2022

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.

Please check out my website via the QR Code

Or through: https://www.sahle-alturaigi.com/