

Sahal A. Alturaigi

Senior Backend Developer – Project Manager – Scrum Certified

Diligent, process- and results-driven, teamwork-focused, developer 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.



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Technical Skills

Full-stack Web Development

ASP.Net Framework/Core, Entity Framework, xUnit, SQLServer, PostgreSQL, MongoDB, Redis, JavaScript (Node.js, Vue.js, React), Unity

Concepts and Methodologies

Microservice architecture, gRPC, Test-driven development, Agile (Scrum), MVC, Monolithic applications, REST, Client-Server model, SPA, Health Information Systems (HIS)

Data Analytics

Python (Matplotlib, NumPy, Pandas, Sklearn) Jupyter Notebooks, QlikSense, MS Azure

Work Experience

Senior Backend Developer

Cloud Solutions – Riyadh, Saudi Arabia

08/2020 – Present



- Part of 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. Currently in development.
- Responsible for electronic medical record microservice which handles effectively all of patient's health information and physician information.
- Recently, team has adopted 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.

Project Manager/Business Analyst

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



- Built in-house web applications for corporate and sales workflows.
- 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.
- Briefly worked in security operations center for a Saudi government entity.



Education and Professional Certificates

Bachelor of Computer Science

University of Colorado Boulder

08/2010 – 12/2014

Hardware and Usable Security

University of Maryland

Summer 2015

Almarai Future Leader Program

The Institute of Leadership & Management

09/2015 – 09/2018

Data Analysis, Pro Intensive

Codecademy Pro

03/2018 – 06/2018

Almarai Leadership Exploration Program

BTS Group AB

09/2018 – 09/2019

Machine Learning Fundamentals

Codecademy Pro

02/2019 – 04/2019

Professional Scrum Master I

Scrum

Summer 2022

G8 Hackathon

3rd place winner (20,000 SAR prize)

18/08/2022 – 24/08/2022

Interests

Software, Web, Game
Development

Tangential Learning

Career Growth

Community Building

Competition

Health and Wellness