

Mohammed Ali Alghentawi

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Senior Software Engineer with 8+ years of experience focused on the backend, Working With international teams. Have a passion for developing innovative Software that expedites the efficiency and effectiveness of organizational success. Proud team lead focused on planning, implementing, testing, and delivering project objectives quickly and accurately.

Work History

2019-6 to
2022-11

Senior Software Engineer

[Landvault \(formally Admix\), London, United Kingdom](#)

- Worked on both sides **frontend** and **backend** for web applications to deliver scalable, modular, and robust microservices using **typescript**, **Reactjs**, **MongoDB**, and **lambda functions**.
- Cross-team members (Web team and ad tech team) worked on the design, develop and test highly **scalable** systems (e.g SSP **Java** system) with **real-time** (response time < **200 ms**) and **high load** stack (#requests > **50 Million** per 1 sec). Improved the performance, **security**, and cost-effectiveness of existing systems.
- Enhance the performance of the **SSP** Legacy code to decrease the response time by **10%**.
- **Integrated** SSP with **dozens** of partners (ad servers, and DSPs) Like Pubmatic, Pubnative, Kevel, ...
- Upgraded SSP from application memory usage to **Redis** Server to support scalability and **multi-region edges** which decrease the cost by **20%**.
- Architected data pipelines to monitor performance using **AWS** Tools such as **ElasticSearch**, **Logstash**, **Kibana**, and **Grafana**.
- Build and Improve Jenkins building and deploying pipelines

2017-08 to
2019-9

Senior Software Engineer - Team Lead

[AX Advisory Group Inc., USA Dallas/Fort Worth Area](#)

- have overseen the planning, implementation, testing, and timely delivery of **+80 projects**.
- mentored and trained **+10** junior engineers to ensure they were onboarded to the **Agile development life-cycle**, enabling them to reach their full potential.
- Knowledge of Azure services such as **Azure App Service**, **Azure Functions**, **Azure Blob Storage**, **Azure SQL Database**, and Experience with **continuous integration** and **delivery** using **Azure DevOps**.
- Build **AI** applications using **Python** and **Azure's functions** connected to **Microsoft Dataverse**.

Skills

Javascript,
Typescript, Nodejs

ReactJs, AngularJs
Angular

SQL Server, MySQL
MongoDb

Redis

Python, C#

CI/CD, Kinesis,
ElasticSearch,
Grafana, Logstash

AWS, Azure

Kafka, kubernetes

Agile, TDD, XP

Languages

Arabic **English**

French

2014-8 to
2017-8

Software Engineer Lead

[Techarabia](#),

- Designed, implemented, and tested **tailor-made** solutions to meet clients' needs after a well-thought analysis following agile development practice.
- Developed code using **C#, ASP.net Core** as a framework for the backend, and **Angular** for the front end.
- Enhanced the performance of queries in **SQL Server**.
- Worked on building customized plugins for **WordPress** using **PHP** and **MySQL**.
- Leading the platform **migration** (Database level)w
- Developed **augmented optical character recognition** mobile app using **OpenCV, Java, and C++**.
- Implemented money exchange app backend (using **PHP** and **MySQL**) and Frontend (using **AngularJS**)

2014-6 to
2020

Assistant Teacher- Part-time

[HIAST](#),

- Worked with doctors to design lesson plans and coordinate activities for classes.
- Monitored and reported student progress and development, offering to mentor as needed.
- Taught the following courses:
 - Introduction to Programming (**C++**)
 - Software Quality, **TDD, BDD, Extreme Programming**.
 - **OOP, Design Patterns, and Software engineering principles (C#)**
 - Introduction to AI (**common lisp** and **Prolog**)
 - Introduction to **Algorithms** and **Data Structure**

Education

2022-2 -
ongoing

Master of Science: Web Science

SVU, Damascus Syria

Finished the first year with 89%, the second year is ongoing

2009-01 to
2014-4

Bachelor of Science: Software engineering

EU Blue Card-eligible university & degree. 2nd of my class

Projects

SSP

Implement and maintain the SSP (java code-base Spring framework) integrated with the Redis cluster.

Admix
Microservices

Develop Admix web microservices (runtime service, auth service, inventory service, ...) using nodejs (Typescript flavor) and MongoDB.

Admix in-house DSP	Implemented using nestjs and reactjs deployed using AWS pipeline
EFTA - Ethoss	Lead the development process of Emirates Flight Training Academy Simulators management Project using PowerApps.
Dedup	Implement the de-Duplicated Microsoft Dataverse records using AI unsupervised Algorithm (Python and Azure Functions)
Twad	Lead the development process of Twad charity platform (Web App + Mobile App) using Asp.net core and Angular
KASB	Implement a set of features to e-commerce platform J2EE
Durobi	Develop and maintain tracking school bus application using PHP and AngularJs
Amlak	Realestate platform web Application J2EE
Watch You Bill	Smart system to monitor the electricity consuming connected to hardware devices
Gottf	Java mobile app to detect and recognize the Arabic numbers using OpenCV with C++.