

Ahmad AL MUGHRABI

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Senior Software Engineer

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Barcelona, Spain



● Comfort zone breaker

● Challenge acceptor

● Problem solver

● Curious learner

● Passionate worker

● Java & Python lover

● Knowledge exchanger

● Team player

● Production rescuer

● About

A PhD student at department of Mathematics and Computer Science in the University of Barcelona, specialising in Deep Learning and Computer Vision.

An experienced software engineer with more than ten years of experience and a demonstrated history of working in the computer software industry. Skilled in Java, Python, FE & DevOps technologies. Energetic engineering professional with a Master's degree focused in Computer Science from the University of Jordan.

● Education

PhD in Computer Science

University of Barcelona

Sep/2022 - Current

Research Domain:

- Food volume estimation

- Neural Radiance Fields (NeRF)

Master in Computer Science

University of Jordan

Sep/2017 - Jan/2020

GPA: 3.84/4.0

Thesis:

Hand-drawn Electric Circuit Diagrams Recognition Using Deep Learning
Implemented on Keras backend Tensorflow

Bachelor in Computer Science

Zarqa University

Dec/2008 - Jul/2012

GPA: 92/100

Awards:

- Acquired the first position in the computer science department.
- Acquired the first Microsoft Student Partner (MSP) for Zarqa University.

Projects:

1. Graduation Project, Face Detection and Recognition System

[2011-2012]

Is an image processing software that serves identity discovery. It uses the "eigenface and vector" algorithm to detect and recognize the human face. It was implemented using Java.

2. Remote Desktop Full Control (RDFC)

[2010-2011]

It is a remote desktop that provides control over the machines on the local network, it was implemented using Java (Multithreading, Java Networking).

● Work Experience

● Glovo

"Glovo is a Barcelona-based startup and the fastest-growing delivery player in Europe, Western Asia, and Africa."

● Senior Software Engineer

Full Time, Barcelona, Spain • Fullstack

April/2022 - Nov/2022 • 7 mos

Responsibilities

- Developing critical, high-impact, large-scale projects.

● Atypon

"Atypon is the leading provider of software as a service for online content delivery, content marketing, and content sales for publishers."

● Principal Software Engineer, R&D

Full Time, Jordan • Fullstack

Oct/2019 - April/2022 • 2 yrs 7 mos

Responsibilities:

- AI Development & Deployment processes.
- Specialized in computer vision.

● Senior Software Engineer, Team Lead

Full Time, Jordan • Fullstack

Feb/2017 - Oct/2019 • 2 yrs 9 mos

Responsibilities:

- Leading a dedicated team, including the training, improving OKRs.
- Finding & developing solutions for complex problems.
- Ability to work with diff cult client.
- Working on distributed systems
- Improve the system performance, security, availability, stability.

● Software Engineer

Full Time, Jordan • Fullstack

Aug/2012 - Feb/2017 • 4 yrs 7 mos

Responsibilities:

- Work with Back-end APIs and Components.
- Ability to debug bugs efficiently and effectively.
- Write quality code, code refactoring, primarily in Java
- Chooses solid approach and SE design principles to create well-designed, reusable code for technical solutions, develops clean and well-constructed code.
- Codes to acceptance criteria, follows team and organizational standards in code style, unit testing, source control processes, code reviews, participates in standards evolution.

● IT3SSS

"An end-to-end web security scanner that offers a 360 view of an organization's security"

● Technical Security Trainee

Full Time, Jordan

Aug/2011 - Dec/2011 • 5 mos

Responsibilities:

- Doing penetration testing on complex systems.
- Increasing the security awareness.
- Taking a full training on CEH v7 course.

● Related Experiences

Turjuman engine (R&D project)

2015 – Present • Fullstack

A cloud multimedia engine that reduces 63% page weight based on new codec tools. The tool is responsible to apply compression and parallel computer vision algorithms in an automated way. This tool has been built based on the observations of the system behaviour to improve the user experience for responsive web designs as a generic solution to serve multiple products simultaneously.

A Novel Method for Live Debugging of Production Web Applications by Dynamic Resource Replacement.

Oct/2014 • Research

This paper proposes a novel methodology for enabling debugging and tracing of production web applications without affecting its normal flow and functionality. This method of debugging enables developers and maintenance engineers to replace a set of existing resources such as images, server side scripts, cascading style sheets with another set of resources per web session. The new resources will only be active in the debug session and other sessions will not be affected. This methodology will help developers in tracing defects, especially those that appear only in production environments and in exploring the behavior of the system. A realization of the proposed methodology has been implemented in Java. See more in <http://tiny.cc/7u9cwx>.

Accessibility blog

2014 – Present • Blogger

This blog, a technical blog, explains Accessible Rich Internet Applications (WAI-ARIA) in simple way to web application developers and designers, and it explains how to provide best practices to help screen readers to read the HTML widgets for users since the WAI-ARIA is a technical specification published by the World Wide Web Consortium (W3C) that specifies how to increase the accessibility of web pages, in particular, dynamic content and user interface components developed with Ajax, HTML, JavaScript and related technologies. See more in <http://wai-aria.blogspot.com/>.

● Awards

- A graduation projects evaluator for Applied Science University
2017, 2018, 2019
- Attend an event as a technology speaker with some entrepreneurs from both of Marketplace and education place at ZINC to discuss the possible solutions to fix the gap between the universities and market
2018
- Microsoft Student Partner (MSP) Certify
2011 - 2012
- Certificate from Microsoft Innovation Center (MIC) to appreciate the unique effort in the Windows Phone Field
May/2012
- Regional ACM Certificate of Achievement awarded to contestant, ACM ACPC
29, Oct 2011
- Certificate of excellence, Zarqa University
2010, 2011

● Knowledge/Skills

- Computer Vision & Deep Learning
Using Keras, TensorFlow, OpenCV, etc.
- Java
Networking, Multithreading, Swing, AWT, JDBC, JSTL.
- Python
- Templating
XPath, Velocity Apache (VM), JSP, XSLT, Handlebar (Mustache), Markdown.
- Semi Structured Data
XML, JSON, YAML.
- UI
HTML, Javascript, CSS, LESS, JQuery, Ajax, Responsive Web Design, Web accessibility.
- Building Tools
Apache ANT, Maven, Gradle.
- VCS
SVN "Subversion" and GIT.
- Frameworks
Struts2, Spring, GraphQL, OpenAPI, Flask, Unicorn.
- IDE
JetBrains-IntelliJ/Pycharm IDE experience.
- Engineering
OOP, MVC, Singleton, Front controller
Design Patterns, other design patterns.
- Messaging Systems
ActiveMQ.
- In-Memory Databases (IMDB); e.g.,
Redis, Redis sentinel, and Redis cluster.
- Integration and Live Debugging
- OS
Linux (Ubuntu) & Windows.
- A Brief Knowledge About Big data
and Its Technologies
Hadoop and Apache Spark.
- Experience in Reproducible Systems
Docker, Docker compose, Docker swarm, Kubernetes.
- Experience in Microservices Architecture
- Edge Computing, Cloud Computing, and CDNs
Cloudflare, CloudflareWorkers, Google Cloud (GCP).
- Security
PenTesting using advanced tools.
- Performance; e.g.,
 - Auditing: Lighthouse.
 - RUM Tools - CatchPoint, PingDom.
 - StressTesting - JMeter
 - Profiling - YourKit
- Automation and CI
Selenium, Jenkins, etc.

● Languages

- Arabic
Native or bilingual proficiency
- English
C1 - Advanced
- Spanish
Beginner