

# Omnia Mohamed Elmasry

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## PROFESSIONAL EXPERIENCE

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IKKI Spain at **Vodafone Intelligent Solutions**

**July 2022 - present**

**Software Senior Technical Lead**

**Aug 2021 – present**

**Squad Technical lead**

Own the technical preparation for USs with the team, setup design meeting, own the technical alignment with the team, help the team to get the best outcome in each sprint and solve technical gaps.  
Squad of 12-members (JAVA, IOS, Android, Web) Developers and testing.

**Jan 2021- Aug 2021**

**Middleware (DXL) Platform lead**

(Code Review process, setup design meeting, setup Community meeting, Own external technical alignment and communications, Mentor Java developers and Support integration).

Team of 6 members (Seniors and Juniors) Java developers.

**Aug 2019- Jan 2021**

**Senior Java Software Developer**

(Analyze business requirements, Design Microservices APIs, Prioritize, assign and execute tasks throughout the SDLC, Implement Micro services APIs, Transformation to TMF APIs, external technical alignment and communications, Code review Process, deployment process).

Acting as a lead for legacy to TMF project (6 months internal project with 5 new comers juniors)

**Dec 2017-July 2019**

Java Software Developer at **Vodafone International Services (VIS).**

Implement Microservices APIs using (Spring boot and Quarkus), Design document, Unit Testing and Performance testing.

**Jun 2017 –Dec 2017**

**Software Development Consultant at Egabi Solutions.**

Implement Java and Oracle Middleware projects (SOA, BPM, UCM, and ADF).

**Jan 2016 –Aug 2016**

Software engineering **at Mena commerce (Cognitec Egypt) Part Time job:**

Delivered new APIs on web search engine & web crawling project. Using: Python, Scraby, JIRA, GIT.

## EDUCATION

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### **April 2023 - Udacity nanodegree Advanced Cloud DevOps**

CI/CD , IAC,Docker, AWS cloud formation , AWS cloud front,EC2

### **Sep 2019: Machine Learning Diploma**

***Epsilon American Institute of Artificial Intelligence, Delaware, USA***

Data Analysis, Machine Learning, Deep Learning

Data Visualization using (Seaborn & Matplotlib)

### **Oct 2016- Jun 2017: ITI Information Technology Institute 9-month Diploma**

***Enterprise & Web Applications Track***

*Nasr City Branch, Cairo Egypt.*

*Graduation Project: ITI in Hand Centralized System for ITI Internal Management Using (Spring, Web Socket, Hibernate, JMS, Apache Tiles).*

### **Sep 2012 -May 2016: B.Sc. in Computer Science**

***Faculty of computers and Information (Helwan University).***

Grade: **Very Good with Honor degree** GPA (3.20 of 4).

Department: Computer Science (Major), Information

Systems (Minor) Graduation project: Data analysis &

machine learning in health care. Graduation project grade:

Excellent (**A+**).

## INTERNSHIPS

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***(Mar – May) 2016: Android development training at ITWorx Egypt.***

***(Jan – Feb) 2016: Business awareness program at ITS (International Turkey System).***

## TECHNICAL SKILLS

### **FRAMEWORKS:**

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- Spring Boot, Spring Web MVC, Spring Core, Spring Data (Hibernate, JPA, and JDBC) and spring security.
- Hibernate, JSF, ADF, Java RX
- Streaming Platform: Apache Kafka.
- JEE (Servlet, JSP, EJB, JPA).
- Web services (REST, SOAP, SAAJ), SOA.
- AJAX, HTML5, CSS3, JavaScript, JQuery, Angular JS, Bootstrap.

**Programming Skills:** C, C++, Java (SE), JavaFX, Python.

**Database:** mongo dB, Oracle Database, PL/SQL, SQL, MYSQL.

**Testing** Mockito and Power Mock.

**Others:** Version Control: GIT, Bitbucket, JIRA, Confluence, ALM, Swagger hub, TMF forum, API guideway

Project Management: Maven.

## Conceptual Knowledge:

- Deep understanding of the Object Orientation Concepts. (OOP)
- API Design and Documentation (YAML files)
- Documenting and Designing applications with UML.
- Database designing.
- Design patterns techniques and of Agile methodology.

## PROJECTS

### MI Vodafone Spain:

- Design and implement middleware functionality to Produce Rest APIs with Micro services Architectural (Spring Boot, Mongo DB, Couchbase, Kafka, Selma Mapper, etc).
- Leading the Digital transformation from legacy code to TMF APIs.
- Leading implementing roaming epic for Spain market.

### Reactive Programming Video Tutorial: [Reactive Programming Playlist](#)

### Design Pattern and Machine learning Video Tutorial for Vodafone

### RRM (Riyadh Region Municipality)

Huge portal manages all governmental process for Riyadh area in Saudi Arabia.

### Egabi Visa Visits:

Tools & technologies: JSf 2.2, PrimeFaces, AJAX, Bootstrap JS

### ITI student Administration:

Web-based application for student's registration, voting, courses evaluating.  
JSf, AJAX, Bootstrap JS, Oracle DB.

### ITI Online shopping web application:

Web-based application to facilitate process of buying and selling online in user-friendly web.

Servlet, JSP, AJAX, Bootstrap, JS, CSS 3, Oracle DB, Git, Maven.

### ITI Java SE Chat Project:

JAVA Desktop App Client/Server Project enable multiple users to chat with interactive GUI.  
JavaSE, RMI, Oracle DB, Java Threads, Java Collections, and JavaFX.

## EXTRACURRICULAR ACTIVITIES

*Oct 2018 Engineerex event Volunteer* Support *Engineerex* Mobile APP.

*Jan 2016 - Aug 2016 (TIEC) Ambassador*

Technology Innovation & entrepreneurship center for Helwan University.

*2014-2015-2016 YP Volunteer:*

**IEEE Academic & program Head.**

### -Young Professionals Activities

- (EED 2014, 2015, 2016)**Engineering mentor** at YP activities.

**LANGUAGE SKILLS** English Language: Excellent.