

Muhammad Ali

Software Engineer (Java - Microservices)



Dubai, UAE



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A motivated java developer, always eager to learn, hard worker, problem-solver with analytical mindset, and a well-organized person. Always ready to achieve demanding development objectives according to tight schedules if necessary, while producing impeccable code. You can check out some of my sample projects in GitHub. I also have a side passion CyberSecurity and penetration testing field.

Date of Birth: 15/01/1995.

Marital Status: Single.

Languages: Arabic (Native), English (Fluent).

1 EDUCATION

- Faculty of Computers and Informatics.**

Zagazig University (2013-2017).

Bachelor's degree, Computer Science & Software Engineering.

Department of Information Technology.



- Information Technology Institute.**

Nasr City, Cairo (04/2020-10/2020).

Diploma, Cybersecurity & Penetration Testing.



2 COURSES

- Java Beginner & Advanced - Mike Macmillan
- Spring Framework 5 - John Thompson
- Spring Boot Microservices with Spring Cloud - John Thompson
- Event-Driven Microservices: Spring Boot, Kafka and Elastic - Ali Gelenler
- learn devops - the complete kubernetes course
- CFTE Master Class - Introduction to Fintech.
- CCNA Routing & Switching, CCNA Security
- MS System Administration (MCSA), Red Hat Linux Administration (RHCSA), Linux security
- Python, Introduction to C#

- The project management course - beginner to project manager
- Spring core devops on AWS
- Istio Hands-On for Kubernetes

That's alongside other courses in my CS degree.

3 CERTIFICATES

- Oracle Certified Java Associate
- CND (EC-Council Certified Network Defender)
- CEH (EC-Council Certified Ethical Hacker)
- ECSA (EC-Council Certified Security Analyst)
- AWS Cloud Practitioner

4 EXPERIENCE

09/2022 (Dubai)	Senior Software Engineer - Emirates Airlines Backend Development & Microservices. Corporate Finances & Payments.
05/2022 (Abu Dhabi-External) (contract 6 months)	Java Software Engineer - Abu Dhabi Islamic Bank Backend Development & Microservices. Working on Digital Transformation.
12/2021-05/2022 (Remote-External) (contract 6 months)	Java Software Engineer - Musala Soft (Raisin DS) Backend Development & Microservices for Raisin DS - Germany. Working with investor management tribe. The primary goal of the tribe is to break down the existing monolithic banking system to a set of microservices ,and inventing mid term and long term solutions to incorporate event-driven programming within the current environment.
09/2021 - 12/2021 (Nasr City, Cairo) (contract 6 months)	Java Backend Developer - Atos Backend Development & Microservices (MDI project of Banque Misr). -Developing and maintaining microservices -Building POC's for new APIs/Technologies to be adapted within the system. -Testing and validating the deployment configuration of microservices locally via (kubernetes-Openshift-Istio).
04/2021 - 08/2021 (Nasr City, Cairo)	Java Developer - Satra/OneKey Security & Investigations - Full Stack & Integration Web Developer. -Frontend built with JSP. -Backend With Spring core. -The integration part was with third parties whom we provide digital access as a service.
05/2018 - 01/2021 (Zagazig)	Java Developer – Self Employed / Freelancer Developing ERP applications for small sized companies/stores. Working part time on some startup companies (what kickstarted my microservices journey).

05/2018–04/2020
(Al Arish–Sinai)

Information Systems Officer (Java Developer)
Enlisted as a reserve officer in the Egyptian army, I had the opportunity to participate in some projects, mainly in two aspects. The first one was ERP Web/Desktop Applications, as on that time some migration steps was taken to migrate two web projects from .Net MVC stack to a java-based stack (so we choose JavaEE then later on Spring was adapted).
One of these two projects was a typical ERP; about stock management and its financial procedures all the way to reporting. And the second one was for investigations and face recognition (I was just responsible for the backend part by improving and maintaining underlying backend webservices and, sometimes help with the Android development).

5 SKILLS

- Web-Specific skills
 - Spring Framework/Spring Boot
 - Microservices Architecture
 - Web Reactive Programming->Spring WebFlux
 - Event Driven Programming (kafka, ActiveMQ, Protobuf)
 - Spring Security, Spring Data JPA
 - Spring State Machine & SAGAS
 - React JS [Just the minimum for Spring]
 - HTML, CSS, Bootstrap, AJAX, XML, YAML
 - Template Engine/JSP[JSTL, Thymeleaf
 - OpenApi (Spec & Generator)
 - Test Driven Development(unit & integration testing)
- Software/APIs General Skills
 - Desktop Development – Javafx
 - Android Development
 - VCS (GIT), Jira, Slack
 - Google APIs [Maps, Geolocation, Places]
 - Docker, K8s
 - Linux Administration, Windows Administration
- Databases
 - SQL (MySQL, Derby,Postgresql)
 - NoSQL (MongoDB)
 - In-Memory (H2)
 - ORM (JPA -> Hibernate)
 - Lombok
- Reporting
 - JasperReports
 - Itext PDF, Apache Velocity
- Programming languages
 - Java [up to JDK 15],
 - JavaScript, Python, C++, C#
- Build tools
 - Maven, Gradle
- IDEs
 - Netbeans, IntelliJ Idea.
- Other
 - Redis
 - ELK stack
 - Openshift
 - ISTIO
 - CI/CD [Jenkins, CircleCI]
 - Amazon AWS [RDS, S3]
 - Keycloak (SSO)
 - OAuth2
 - Drools