

# Akram Kasem Ahmed Dawwod

Senior Java Software Engineer  
(5 Year Experience)

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Website : [about](#)


## OBJECTIVE

Innovative and results-driven **Senior Java Software Engineer** with over **5 years** of experience building high-performance, scalable, and resilient back-end systems using Java, Spring ecosystem, and modern cloud-native technologies. Proven expertise in **microservices architecture**, **database optimization**, and **system migrations**. Adept at working across all stages of the SDLC, from system design to deployment, with a passion for clean code, agile development, and continuous learning.

## PROFESSIONAL EXPERIENCE

### SOFT PROGRAMS – Egypt

*Senior Java Backend Engineer, January 2025 – Present*

**SoftPrograms** is a leading software development company in Egypt that specializes in delivering enterprise-grade digital solutions for government organizations. I joined the team to lead the modernization of legacy systems with a strong focus on performance, scalability, and user experience. Worked on projects such as:  **National Institute of Standards (NIS) Contributed to the digital transformation of the <https://nis.sci.eg>**, the official authority for metrology in Egypt.

- **Modernized legacy systems** into scalable and maintainable **Spring Boot microservices**, significantly enhancing the system architecture.
- **Improved database performance** by optimizing queries and tuning indexes, reducing query time by **25%**.
- **Collaborated cross-functionally** with product and QA teams, increasing operational efficiency by **15%**.
- **Designed and implemented new functional modules**, improving platform capabilities and end-user satisfaction.

### Zagazig University – Egypt

*Full Stack Engineer – External Engineer , Apr 2025 – Nov 2025*

Leading the development of the new official website for **Zagazig National University** to enhance digital presence and user engagement. <https://www.znu.edu.eg/> .

- Designed and implemented the entire **frontend** using **Angular** with responsive, accessible, and modern UI.
- Built RESTful backend APIs using both **Java Spring Boot** and **.NET**, integrating with administrative systems.
- Collaborated with the university's technology lead to define functional and non-functional requirements.

### FUDEX EBS (Q-Stock) – Saudi Arabia / Remote

*Java Backend Developer, September 2022 – Present*

**FUDEX EBS**: Saudi company providing tailored e-commerce, ERP, and CRM solutions <https://fudex.com.sa> . work in **Q-Stock** Leading stock management firm offering inventory tracking, ERP integration, and seamless client support. <https://stock.qvm.parts>

- **System Upgrades**: Led significant system enhancements, improving overall performance and efficiency by 25%.
- **Feature Expansion**: Integrated advanced features tailored to industry needs, expanding system capabilities and driving a 30% increase in user adoption.
- **Enhanced Usability**: Streamlined user experience by optimizing interface design and core processes, reducing manual errors by 40% and cutting data entry time by 20%.
- **Optimized ERP Integration**: Successfully integrated with multiple ERP systems, enhancing data synchronization and operational workflows.
- **Structural Overhaul**: Upgraded the system architecture from JBoss and outdated structures to Spring Boot, implementing a clear, streamlined architecture and well-defined microservices.
- **Scalable Solution**: Spearheaded a major project to make the system adaptable for all product types, ensuring flexibility and scalability across diverse industry requirements.

**FOE ( Future of Egypt ) – Egypt**  
Backend Developer, November 2023 – Jan 2025

- Worked on upgrading the infrastructure and enhancing backend systems to improve performance, scalability, and security using .NET & Java technologies.

**Freelancer, Full Stack Java Developer & Instructor**  
2019 – Present

- Delivered multiple freelance projects, building full-stack apps using **Spring Boot + Angular & Desktop App**.
- Taught over 50+ students Java programming fundamentals and OOP principles.
- Created custom learning materials and guided students through hands-on projects.

**EDUCATION** ..... **ACTIVITIES** .....

**Zagazig University**  
*Bachelor of Computer Science, 2019 – 2023*  
Graduated with a strong academic record, achieving a very good general grade, and earning distinction for my graduation project.

- participate (ECPC) Contest 2021  
[2021-HelwanCPC2020](#)
- Other Certificates in java  
[Certificates](#)

**SKILLS** .....

**Core Competencies:**

- Problem Solving
- Object Oriented Programming & Design

- Base System Analysis & Design
- Data Structure & Algorithm
- Design Patterns & Solid Principles

**Development Expertise:**

- **Languages:** Java, C++, C, Python, C#
- **Java Technologies:** Core Java, Network Programming, Swing, AWT, JavaFX, Servlet, JSP, JSTL, JSF, WebSocket
- **Spring Framework:** Core, Data (Hibernate), MVC, RESTful API, Boot, Security, Cloud, Microservice
- **Front-End Development:** HTML, CSS, Bootstrap, Angular, Node.js, Basic React, TypeScript
- **API Development:** RESTful Services, Swagger Documentation, SOAP Basic, XML
- **Microservices & Cloud Architecture**
- **Cloud Services:** AWS, AZURE, Digital Ocean
- **WebSocket & Real-Time Development:** Skilled in building real-time apps with WebSocket for live data updates and interactive features.

**Tools & Technologies:**

- **Version Control:** Git, GitHub, Bitbucket, CI-CD
- **Databases:** MySQL, PostgreSQL, SQLite, Oracle (Basic), Documented DB
- **Containerization:** Docker, Docker Compose
- **Reporting:** Jasper Reports
- **Testing:** JUnit
- **Project Management:** JIRA
- **DEVOPS:** Containerization, Ansible, Jenkins

**Additional Proficiencies**

- .NET Framework
- Flask & Fast Frameworks

**PROGECTS** .....

**Zagazig National University Website**  
2025

Official digital platform for **Zagazig National University Website**, offering academic, news, and services information. Developed with multilingual support and accessible design.  
**Stack:** Angular, Spring Boot, .NET, REST APIs, Bootstrap, SQLServer

<https://www.znu.edu.eg/>

## **Bimarestan (Doctor Reservation app like vezeeta)**

JULY 2023

This is designed to simulate a doctor's reservation via the Internet, and any patient has his own medical record or history, the location of the incidents, and the addition of analysis for the doctor to see.

**Stack:** Spring Boot - Spring Security - JPA, Hibernate - RESTFUL API - Google Mail - Notification firebase – Angular -Swagger – AWS – MySQL - Junit Test

## **Online Quiz**

SEP 2021

This is made to simulate online exams and set exams for students

**Stack:** Spring Boot - Spring Security - JPA, Hibernate - RESTFUL API - Google Mail - Notification firebase – Angular -Swagger – AWS – MySQL - Junit Test

<https://www.youtube.com/watch?v=wTYl8Lua7Tc>

**For More Project follow links:**

<https://www.youtube.com/@AkramKasem> , <https://github.com/AkramKasem>

## **LANGUAGES** .....

- Arabic Native
- English Intermediate