Akram Kasem Ahmed Dawwod

Senior Java Software Engineer
(4 Year Experience)

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OBJECTIVE

Innovative and results-driven **Senior Java Software Engineer** with over **4 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 – Present

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

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.

ACTIVITIES

- 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

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