

Akram Kasem Ahmed Dawwod

Mid-Level Java Software Engineer
(4 Year Experience)

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OBJECTIVE

Innovative Senior Software Engineer with a proven track record in designing and implementing software solutions that solve complex problems. Expert in Java (SE & EE) with deep expertise in Spring, Hibernate, and microservices architecture. Strong in database design and analysis, with hands-on experience in Databases . Adept at translating business needs into technical specifications, developing comprehensive documentation, and delivering scalable, high-performance applications. Effective communicator with strong collaboration skills, participating in competitive programming and continuously enhancing expertise in cutting-edge technologies , and lifelong learner .

PROFESSIONAL EXPERIENCE

SOFT PROGRAMS

Senior Java Backend Engineer, January 2025 – Present

SoftPrograms : is a leading software development company in Egypt specializing in creating innovative enterprise solutions for various industries. I joined the team to revamp and modernize legacy systems, focusing on enhancing performance, scalability, and user experience.

- Initiated the migration of legacy systems to modern frameworks, improving system efficiency and scalability.
- Developed and integrated new features into existing platforms, significantly boosting user engagement.
- Optimized database operations, reducing query processing time by 25% and minimizing manual errors.
- Collaborated with cross-functional teams to streamline workflows, resulting in a 15% increase in operational productivity.

FUDEX EBS

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)

Backend Developer, November 2023 – Present

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

Freelancer, Full Stack Java Developer & Instructor

2019 – 2022

- **Freelance Projects:** Developed and delivered several freelance projects, enhancing expertise in full-stack development, focusing on Java.
- **Java Instruction:** Provided comprehensive Java programming instruction, successfully teaching core and advanced concepts, helping aspiring developers become proficient software engineers.

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 Frameworks

PROGECTS

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.

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

Nebras Academy (E-Learning Website)

JUNE 2022

This is designed to simulate online education, it is in its early stages and is being developed.

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

https://www.youtube.com/watch?v=TJk_r4jvqdA

Online Quiz

SEP 2021

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

Used : 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