MAHMOUD E

Contact Details

Address
Twistetal, Hesse, 34477, Germany

Professional Summary

Senior Software Engineer with extensive background in full-stack development, specializing in JAVA EE, Microservices and LIFERAY Portal.
Profound expertise in performance tuning, Reactive Programming, Azure Cloud development, and Java Frameworks.

Work History

10.2021 – to Date

Senior Software Engineer / Consultant
AKKODIS GmbH, Munich, Germany

Development of comprehensive software in a full life cycle and Microservice architecture development using Reactive Programming, Springboot, Kubernetes, Elastic Search, KAFKA, Azure Cloud development and Serverless development.

10.2008 – 10.2020

Senior Software Engineer
Dar Alshifa Hospital, Kuwait

Managed development milestones of 50+ healthcare solutions from initial steps through final delivery.

09.2006 – 09.2008

Software Engineer
AFIT, Kuwait

Java2 EE developer mainly ATG Portal development for Kuwait Stock Exchange and Kuwait Council of Ministries.

| 01.2005 – 08.2006 | **Java Software Developer** |
| | **IESCOM, Cairo, Egypt** |

Worked on web (Struts Framework) and desktop (Java Swing) for Legal profession project for Saudi Law Encyclopedia.

| 01.2003 – 12.2004 | **Junior Software Developer** |
| | **PC-LAB, Cairo, Egypt** |

Worked on E-learning projects using Java 2 EE as well as ASP.NET projects using C#

Recent Projects

AKKODIS 10.2021 – to Date

DIY APP for BOSCH GmbH
Backend development and microservice development on Azure Cloud using Springboot 3, Reactive Programming.

Portal for BMW GmbH
Intranet Java Portal development for BMW using LIFERAY 7.

Vivatmo Android App for BOSCH GmbH
Maintained existing Android app and upgraded it to support new Android devices.

ID.Buzz Android App for VW GmbH
Developed Native Android App to connect to VW cars via BLE integration.

CONNEX & TOM3 for Pontoon GmbH
Microservice architecture design and development for Enterprise recruitment system "Connex" and connected it to other Java EE system "TOM3".

Dar Alshifa Hospital 10.2008 – 10.2020

PCR for COVID-19
Java EE
Developed responsive public Online Forms for PCR with fully automated requests and private intranet workflow for screening and processing requests and generating certificates.

Intranet Hospital Portal
LIFERAY
Developed a Java EE Intranet that serves business processes of about 1,700 employees with hundreds of developed portlets and created a complete CMS handling thousands of documents under different workflows integrating with SAP ERP and Active Directory.

IP-TV
In-House built Java Middleware integrating SAP system with IP-Televisions (IPTV), so guests can see their admission details and request discharge or invoice details. This middleware also supports the

broadcasting of messages to all TVs.

Dynamic Customer Satisfaction Survey
Developed a complete dynamic survey solution with control panel to create any number of surveys with different types of questions. This solution provides auto-generated detailed reports and consolidated reports with trend analysis. I also developed Android / IOS native clients and responsive Web Clients.
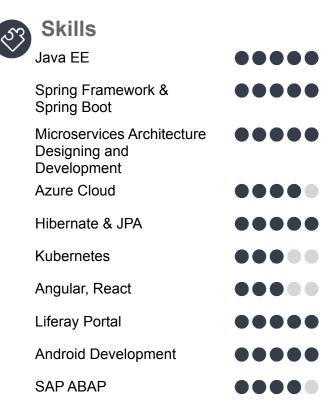
Valet Parking
Developed a full solution for valet parking service including vehicle tracking and billing, managing drivers and providing KPI's for performance monitoring using Microservices in the back-end and variety of front-end clients such as native Android Apps, Microsoft PDA devices, desktop applications and responsive front-end web clients.

Incidents Management System
Developed an in-house built, complete solution to handle full cycle workflows in the context of incidents. The solution involved the creation of analysis and reports as well as end-user mobile apps.

Time Management System
Integrating face recognition machines with SAP using JAVA EE and built dynamic attendance reports to record and show employees´ attendance (with inclusion of the complex work shift system of the hospital). The system also included the approval workflows (approval of employee´s attendance and over-time by managers).

Skills

Skill	Level
Java EE	●●●●●
Spring Framework & Spring Boot	●●●●●
Microservices Architecture Designing and Development	●●●●●
Azure Cloud	●●●●○
Hibernate & JPA	●●●●●
Kubernetes	●●●○○
Angular, React	●●●○○
Liferay Portal	●●●●●
Android Development	●●●●●
SAP ABAP	●●●●○

Certifications

12/2024	Microsoft Certified: Azure Fundamentals
05/2017	SAP ABAP Consultant
05/2004	Java Solutions Developer
03/2004	Sun Certified Programmer for Java 2 1.4

Education

09/1996 – 11/2002	B.Sc. in Electrical Engineering: Electronics and Electrical Communication AZHAR UNIVERSITY - Cairo/ Egypt

Languages

English ●●●●●

Arabic ●●●●●

German ●●●○○