

## Diaa Nassar

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### SOFTWARE ENGINEER

Passionate Software Engineer specializing in Java and Spring, with hands-on experience in Spring Boot, React, Hibernate, and RESTful APIs. Proven track record of successfully delivering projects that integrate Spring Boot and React. Committed to delivering high-quality software solutions and eager to take on new challenges in software engineering.

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SDLC • OOP • Spring • Spring Boot • Spring Data JPA • RESTful APIs • Hibernate • JPA • JDBC • Git  
Web services • SQL • UI/UX • MVC Design Pattern

**Languages:** Java, Dart

**Web:** HTML5, CSS3, JavaScript/TypeScript, Node.js

**Web Services:** RESTful API

**Web/App Servers:** Tomcat

**Frameworks:** Spring, Spring Boot, Node.js, React, Flutter

**Databases:** MySQL, MongoDB

**Design Patterns:** Strategy, Decorator, Singleton, Factory (Method & Abstract), Proxy, Observer, Command, Adapter, Facade

**SDLC:** Agile/Scrum

**Tools:** Maven, Eclipse, IntelliJ, VS code, Postman, Android studio, Git, Jira

**Platforms:** Windows, Ubuntu, macOS

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### PROFESSIONAL EXPERIENCE

**CAREER NOTE:** Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

#### **SEDRAPAY for e-Payment Solutions, Amman, Jordan • 11/2022 – 01/2023 (Contract)**

##### **Software Test Engineer**

- Developed comprehensive test plans, outlining test cases, test data, and expected outcomes, resulting in a 10% increase in test coverage.
- Utilized bug-tracking tools to log, prioritize, and manage defects, ensuring clear communication between development and QA teams.
- Maintained detailed test documentation, including test plans, test cases, test scripts, and test results. Generated test summary reports for stakeholders.
- Assisted in the automation of repetitive test cases, contributing to faster and more efficient testing processes.

**Technologies Used:** Java, Selenium, Performance Testing using JMeter, Postman, Fiddler, Appium Studio, Genymotion, Jira, Scrum

#### **Open Sky Ltd., Amman, Jordan • 11/2019 – 11/2020 (Remote)**

##### **Software Engineer**

- Implemented Flutter for cross-platform mobile application development, resulting in a 20% reduction in development time and a budget cut from \$25,000 to just \$15,000 for the first year.
- Designed and implemented robust back-end systems using Spring Boot, leveraging its features to create scalable and maintainable application components.
- Implemented security measures using Spring Security to safeguard sensitive data and ensure secure user authentication and authorization.
- Integrated RESTful web services into mobile applications to enable real-time data retrieval and synchronization.
- Utilized Spring Data JPA in conjunction with Hibernate to establish efficient data access and persistence mechanisms, optimizing database interactions.
- Enabled efficient collaboration via Git for seamless code integration and team coordination.

**Technologies Used:** Flutter, Dart, RESTful APIs, Spring Boot, Spring Security, Spring Data JPA, Hibernate, Git (Version Control), UI/UX Design Tools, Testing Frameworks, Android Studio, Firebase, MySQL, Agile/Scrum (Jira).

## INTERNSHIP EXPERIENCE

### The Hope International, Amman, Jordan • 6 Months

IT Department.

#### Software Engineer Intern

- Developed and Maintained Cross-Platform Flutter Applications.
- Integrated RESTful APIs and Backend Services.
- Implemented State Management and UI/UX Enhancements.
- Took charge of the end-to-end development of a complex Flutter application, incorporating all the skills and technologies acquired during the internship, resulting in a fully functional and feature-rich mobile application.

**Technologies Used:** Flutter, Dart, RESTful APIs, Spring Boot, Spring Security, Spring Data JPA, Hibernate, Git (Version Control), Android Studio, State management libraries (Provider, Bloc, etc.), UI/UX design principles and tools, Flutter DevTools (Debugging and troubleshooting)

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## PERSONAL PROJECTS

**Amman, Jordan (2022) Hero Bus - Revolutionizing Public Transport Tracking System:** From January 2022 to July 2022, I spearheaded the "Hero Bus" mobile application, a pioneering endeavor focused on revolutionizing the public transportation experience. As the project creator, I combined my passion for technology with a dedicated commitment to enhancing public transport systems. Hero Bus utilizes Dart for front-end development, Spring Boot for the back-end, and Flutter for cross-platform app development, creating a user-friendly interface with real-time tracking, advanced data analytics, and efficient data management. This project also embraced agile methodologies, software quality control, and testing to ensure reliability and functionality.

## ACADEMIC PROJECTS

**Maharishi International University (2023) Online Shopping Website:** Spearheaded the creation of an online shopping website for Maharishi International University, leveraging Node.js, JavaScript, HTML, and CSS. Implemented user authentication, product listings, shopping carts, and order placement to drive a seamless and engaging user experience.

**Maharishi International University (2023) Alumni Management Portal:** Developed an Alumni Management Portal, fostering seamless communication and engagement between alumni and the educational institution. Leveraged Spring Boot and React technologies for its creation, ensuring an intuitive and dynamic user experience.

**Al-Hussein Bin Talal University (2022) Jordan Deserves Best (JDB):** I led the "Jordan Deserves Best (JDB)" graduation project, which was a top-ranked mobile application. It received the highest ranking among all university graduation projects and earned one of the highest college grades, scoring 91/100.

## EDUCATION

### Master of Science in Computer Science

*(In progress via distance education; expected completion 10/2024)*

Maharishi International University, Fairfield, Iowa

**Key Courses:** Web Application Programming, Relational and Document-Based Databases, Web Application Architecture, Enterprise Architecture

### Bachelor of Information Technology in Software Engineering

Al Hussain Bin Talal University – Ma'an - Jordan (07/2022)