



AbdElrhman El-Shenawy

Software Engineer



PERSONAL



Birth date

08/07/2001



Marital state

Single



Nationality

Egyptian



CONTACT



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El-Shrouk, Cairo - Egypt



PROFILE INFO

Highly skilled Software Engineer with expertise in Software Engineering, Database design & development, and Back-end Development. Possessing strong problem-solving abilities and a passion for creating innovative solutions, I am dedicated to delivering high-quality software products. Equipped with a solid foundation in front-end development and web design, I bring a holistic approach to my work, ensuring seamless integration between different components of software systems. With experience in web applications in addition to both desktop and mobile application development, I have a comprehensive understanding of the software development lifecycle.



WORK EXPERIENCE



freelance web developer

2020 - present

I have been working in web development and database design for more than 5 years and I have built a number of web applications and software systems.



MASTERED TECHNOLOGIES



Software Engineering

I have a wide experience in software design and SDLC starting from requirement engineering to system design with UML diagrams and Agile methodologies.



Database design & Administration

I have designed and implemented a number of databases using different databases such as MySQL, postgres, Microsoft SQL, SQLite, Derby and MongoDB for different systems as E-Learning system, E-commerce System and other kind of systems.



Backend development

Highly skilled in backend development using Spring & Spring boot. Also, I have deep understanding of MVC, APIs, Microservices, Spring security, Thymeleaf, and other libraries and frameworks. Also, I have built a few projects using Node.js.



EDUCATION



2021 - present

Bachelor Of ICS - Software Engineering

BUE - The British University In Egypt.



LINKS



GitHub

<https://github.com/ashenawy01?tab=repositories>



LinkedIn

<https://www.linkedin.com/in/abdulrhman-elshenawy-2b11311a8/>



YouTube

<https://www.youtube.com/channel/UCGDLxD8hx3ZgNbJ8eysf-Ug>



MY SKILLS & EXPERTISE

JAVA



Spring & Spring boot



Web security & validation



Testing (JUnit)



MySQL (Database)



Data Structure & Algorithm



DB Administration



DB Design



Software testing



HTML/5 & CSS/3



web design



SQL server



Oracle SQL



Apache derby (embedded)



MongoDB



SQLite



Git & GitHub



Clouding - AWS



C++



Javascript



C# & .NET



C & Embedded C



Embedded System



Arduino - C/C++



Desktop apps development



JAVAFX & FXML



Node.Js



Project management



Leadership



Soft skills



Marketing



Clean code



Agile (Scram)



Design Patterns



Problem solving



Android development



LANGUAGE

• Arabic



• English



• Turkish



• Russian





MY MAIN CERTIFICATES & COURSES

- | | | |
|---|--|------|
| ⤵ | Computer Maintenance Diploma | 2015 |
| | • Information system institute | |
| ⤵ | English for young learner | 2016 |
| | • British Council | |
| ⤵ | General English | 2017 |
| | • The American University in Cairo (AUC) | |
| ⤵ | General English | 2016 |
| | • British Council | |
| ⤵ | C++ Essentials | 2020 |
| | • Information system institute | |
| ⤵ | Beginning C++ programming - From beginner to Beyond | 2020 |
| | • Tim Buchalka's Learn Programming Academy | |
| ⤵ | Data Structure and Algorithm: Deep dive Using JAVA | 2020 |
| | • Tim Buchalka's Learn Programming Academy | |
| ⤵ | Java Programming Masterclass updated to Java 17 | 2020 |
| | • Tim Buchalka's Learn Programming Academy | |
| ⤵ | Java Design Patterns & SOLID Design Principles | 2020 |
| | • Coffee Powered Crew | |
| ⤵ | Android Java Masterclass - Become an App Developer | 2020 |
| | • Tim Buchalka's Learn Programming Academy | |
| ⤵ | Android Mobile Apps Development Diploma | 2021 |
| | • YAT Learning solution | |
| ⤵ | Android Development Track | 2021 |
| | • UDACITY - 1 MAC | |
| ⤵ | Academic IELTS | 2021 |
| | • Overall Band 6.5 | |
| ⤵ | Digital Marketing | 2021 |
| | • Maharat Mn Google | |

- **Digital Marketing** 2021
 - [EFE - Egypt](#)
- **Digital Marketing Challenger Track** 2021
 - [Udacity - Egypt FWD initiative](#)
- **Entrepreneurship** 2021
 - [Youth 2023 initiative - AUS](#)
- **Career Development Skills** 2021
 - [Youth 2023 initiative - AUS](#)
- **Personal Skills** 2021
(Soft skills - communication - Leadership)
 - [Youth 2023 initiative - AUS](#)
- **The Web Developer Bootcamp 2022** 2022
 - By [Colt Steele](#) - Udemy
- **Complete NodeJS Developer in 2022 (GraphQL, MongoDB, + more)** 2022
 - [Created by Andrei Neagoie, Adam Odziemkowski - Udemy](#)
- **Node.js, Express, MongoDB & More: The Complete Bootcamp 2022** 2022
 - [Created by Jonas Schmedtmann - Udemy](#)
- **The Complete JavaScript Course 2023: From Zero to Expert!** 2022
 - [Created by Jonas Schmedtmann - Udemy](#)
- **Master the Coding Interview: Data Structures + Algorithms** 2022
 - [Created by Andrei Neagoie - Udemy](#)
- **The Complete Oracle SQL Bootcamp** 2022
 - By [Oracle Master Training | 200,000+ Students Worldwide](#) - Udemy
- **Advanced SQL : The Ultimate Guide** 2022
 - By [Oracle Master Training | 200,000+ Students Worldwide](#) - Udemy
- **Complete SQL and Databases Bootcamp: Zero to Mastery [2022]** 2022
 - [Created by Andrei Neagoie, Mo Binni - Udemy](#)
- **The Ultimate MySQL Bootcamp: Go from SQL Beginner to Expert** 2022
 - [Created by Colt Steele - Udemy](#)

➤	SQL for Data Analysis: Beginner MySQL Business Intelligence	2022
	• Created by Maven Analytics, John Pauler - Udemy	
➤	Advanced SQL: MySQL Data Analysis & Business Intelligence	2022
	• Created by Maven Analytics, John Pauler - Udemy	
➤	Advanced SQL Database Administration with MySQL Workbench	2022
	• Created by Maven Analytics, John Pauler - Udemy	
➤	<u>Spring & Hibernate for Beginners (includes Spring Boot)</u>	2022
	• Created by Chad Darby - Udemy	
➤	<u>[NEW] Spring Boot 3, Spring 6 & Hibernate for Beginners</u>	2023
	• Created by Chad Darby - Udemy	
➤	<u>Spring Boot Unit Testing with JUnit, Mockito and MockMvc</u>	2023
	• Created by Chad Darby, Eric Roby - Udemy	
➤	<u>[NEW] Spring Security 6 Zero to Master along with JWT, OAUTH2</u>	2023
	• Created by Eazy Bytes, Madan Reddy - Udemy	
➤	<u>Master Microservices with Spring Boot and Spring Cloud</u>	2023
	• Created by in28Minutes Official - Udemy	
➤	<u>Web Security & Bug Bounty: Learn Penetration Testing in 2023</u>	2022
	• Created by Andrei Neagoie, Aleksa Tamburkovski - Udemy	
➤	<u>Agile Fundamentals: Including Scrum & Kanban</u>	2023
	• Created by The BA Guide, Jeremy Aschenbrenner, Vivek & Pabitra Khattri - Udemy	
➤	<u>Clean Code</u>	2023
	• Created by Academind by Maximilian Schwarzmülle - Udemy	
➤	<u>The Git & Github Bootcamp</u>	2023
	• Created by Colt Steele - Udemy	
➤	<u>Docker and Kubernetes Tutorial Full Course [2021]</u>	2023
	• Created by Amigoscode - YouTube	
➤	<u>[NEW] Ultimate AWS Certified Cloud Practitioner - 2023</u>	2023
	• Created by Stephane Maarek, AWS Certified Cloud Practitioner, Solutions Architect, Developer - Udemy	



COURSES AT UNIVERSITY - BUE

➤	Introduction to Computing in C++	A+
➤	Introduction to Information Systems	A+
➤	Principles of Web Programming	A+
➤	Problem Solving in C++	A
➤	Object Orientated Programming C++	A+
➤	Database Systems	B
➤	Introduction to Data Structures and Algorithm Design C++	A
➤	Software Engineering I	A+
➤	Programming in Java	A+



PROJECTS (PORTFOLIO)

- **E-Learning System (Frontend)**

2021

The E-Learning System is a frontend project developed using HTML, CSS, and JavaScript. It includes over 28 pages and caters to two main user roles: students and professors. The project was built from scratch, starting with requirement analysis, wireframe creation, sitemap development, and implementation. The system offers students access to educational resources, progress tracking, discussion forums, and messaging features. Professors have tools for course management, content creation, grading, and communication. The user-friendly interface and responsive design enable seamless access across devices. The E-Learning System aims to enhance remote learning and collaboration by providing a comprehensive platform for education.
- **E-Learning System (Database)**

2022

The E-Learning MS Database project is a comprehensive system designed using ERD, E-ERD, and schema techniques, and implemented using SQL Server. It provides efficient management of educational data, including student information, course details, enrollment records, and grades. The project starts with designing ERD and E-ERD to capture the database structure accurately. The schema design phase defines tables, columns, keys, and indexes. The implementation involves creating the database and executing SQL statements for data manipulation. The E-Learning MS Database aims to optimize data organization and accessibility for a smooth e-learning experience.



Airline Reservation System

2023

The Complete Airline System Desktop App is a comprehensive software application designed from scratch using Java and JavaFX. It follows the SDLC methodology and includes UML class diagrams and other relevant diagrams. The app utilizes a file system-based database for data storage. It offers features such as flight management, seat reservations, passenger information handling, ticket generation, and reporting capabilities. The user-friendly interface and efficient design aim to streamline airline operations and enhance the passenger experience.



Law firm MS

2023

MS Law Firm is a comprehensive web application developed using Spring Boot, adhering to the SDLC approach. It offers staff members a powerful and efficient tool for managing law office tasks. With features such as cost estimation, appointment management, and report generation, this system proves to be an indispensable asset for law offices seeking to optimize their workflow, enhance efficiency, and improve overall performance.



Telda web application

2023

Telda is an online wallet system built from scratch using Spring Boot, Spring Security, and MVC. It provides a secure login function for clients to access their accounts, manage personal information, and control card status. Clients can request a card, check balance, recharge using a credit card, send money to other users, request money from friends, donate to charities, and even request a loan. The system sends notifications, handles help requests, and allows staff to manage client accounts, generate reports, and send offers. With a focus on security, privacy, and user experience, Telda offers a comprehensive set of features to ensure efficient financial management and seamless interaction between clients and staff.



Book store (CRUD)

2023

The CRUD Spring Boot web application is a practice project focused on building a book store system. It utilizes Spring Boot, Spring Security, Thymeleaf, MySQL, and MVC to create a secure and efficient application. With Spring Security, authentication and authorization are implemented to safeguard sensitive data. Thymeleaf handles server-side rendering, enhancing the user experience. MySQL serves as the backend database for seamless storage and retrieval of book-related information. The application enables users to perform essential CRUD operations, making it a practical and hands-on learning experience for developing a book store system.



Online Courses MS

2023

The online courses management system is a Spring Boot web application designed for practice. It includes two types of users (teachers and students) and utilizes Spring Boot, Spring Security, Thymeleaf, MySQL, and MVC. Teachers can create and manage courses, while students can enroll, access course materials, and participate in discussions. The application ensures secure authentication, dynamic web page rendering, and efficient data storage. It offers hands-on experience in developing an online courses management system using these technologies.