

Muhammad Ataa Ur Rasool

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Technical Skills

Languages: Java, JavaScript, C#, Kotlin, C/C++, SQL

Frameworks: JavaFX, Jetpack Compose, Swing, Node.js, Express.js, React, WinForms, Bootstrap, SASS

Tools: IntelliJ IDEA, Android Studio, Visual Studio, SQL Server, MySQL, Postman, Git

Education

FAST NUCES

Bachelor of Science in Computer Science

Sept. 2021 – Present

Islamabad, Pakistan

Experience

Switch Communications

Software Testing Intern

Jun. 2023 – Jul. 2023

Islamabad, Pakistan

- Developed automated website testing scripts using Selenium with Java.
- Wrote comprehensive test cases in Java for automated testing purposes.
- Implemented game development projects using the Construct 3 game engine.
- Successfully modified existing games to enhance functionality and user experience.
- Conducted real-time testing of games on live servers to ensure optimal performance and stability.

Projects

Pulse: Hospital Management System | Java, JavaFX, MySQL, Scene Builder, IntelliJ Idea

- Developed a comprehensive hospital management system named Pulse using Java as the primary language.
- Utilized JavaFX to design and integrated MySQL database to facilitate efficient CRUD operations, ensuring data integrity and accessibility.
- Implemented robust backend logic using Java, leveraging Grasp Design Patterns for scalability and maintainability.
- Implemented real-time synchronization of todo updates between the client-side and the database, ensuring data consistency and immediate reflection of changes.

To Do App | Node.js, Express.js, MySQL, React, Bootstrap, HTML, CSS, JavaScript

- Developed a To Do web application utilizing React for the frontend and Express.js with Node.js for the backend.
- Implemented RESTful APIs using Express.js to handle various HTTP methods including GET, POST, and DELETE for seamless interaction between the frontend and backend.
- Designed and created a simple user-friendly React-based UI for efficient task management and organization.
- Utilized SceneBuilder to streamline UI design and enhance user experience in Pulse hospital management system.

WhatsApp UI Clone | Kotlin, Jetpack Compose, Material3, Android Studio

- Developed a fully functional WhatsApp UI clone using Kotlin and Android Studio, incorporating UI paradigms with Jetpack Compose Material 3.
- Designed and implemented reusable custom UI components with Jetpack Compose, enhancing code modularity and efficiency throughout the project.
- Utilized views effectively to implement navigation within the app, while also harnessing Jetpack Compose's navigation capabilities for enhanced flexibility and performance.
- Demonstrated expertise in UI/UX design principles by closely replicating the interface of a widely-used messaging application

CafeBytes | C#, SQL, WinForms, SQL Server, Visual Studio

- Developed a comprehensive cafe management system utilizing WinForms and C# containing three distinct modules: Manager, Employee, and Guest, each with tailored functionalities.
- Utilized an N-tier architecture while applying design patterns, focusing on a modular approach aiming for maximum code maintainability and re-usability
- Enabled real-time database management to ensure up-to-date information while focusing on implementing complex SQL queries with multiple joins to facilitate data management.
- Created and utilized reusable custom user controls to enhance code modularity and streamline development.