

UMAR RAJPUT

Software Developer

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SUMMARY

Passionate and dedicated professional in programming, software development, and computer science. Experienced in creating innovative solutions with a strong foundation in languages and frameworks. Committed to delivering high-quality software applications, continuously expanding knowledge, and staying updated on industry trends. Possesses problem-solving and analytical skills, approaches challenges logically, and enjoys collaborating in team environments. Committed to lifelong learning and actively seeks opportunities to refine skills.

PROJECTS

Cool Surveys Web App

📅 04/2023

🌐 <https://github.com/umarraj008/Survey-Tool>

- Developed a **Full-Stack** web application for my university dissertation.
- Utilised **PHP** for backend, **HTML**, **CSS**, and **JavaScript** for frontend, and **MySQL** with **relational database**.
- Implemented **CRUD** operations, password **Hashing and Encryption** through **PHP**, responsive and clean user interface and experience, generated graphics and charts with **Chart.js** library.
- Proactively used the **Agile** framework with **Trello** to plan, develop, and test the application creating a complete product.

Park It Android App

📅 02/2023

🌐 <https://github.com/umarraj008/Car-Parking-App>

- Built a **responsive** mobile app using **Java** and **Android Studio** that allows users to keep track of their cars.
- Utilised **Retrofit** with **GSON** to facilitate data from **Google Maps API**, allowing for a functional map within the app that shows your current location and your cars location.
- Integrated common **UI design patterns** within apps such as **Bottom Navigation** with **Center Stage Layout**.
- Incorporated app storage through phones local storage and **Shared Preferences**.

Elemental 4 Web Game

📅 04/2022

🌐 <https://github.com/umarraj008/Elemental4Game>

- Developed a web game using **JavaScript** and **HTML5 Canvas**, featuring **Real-Time Multiplayer** for University team project module.
- Utilised **Node.js**, **Express** for backend and hosting, **Socket.IO** for Client-to-Server connection, and **MySQL** with relational database for user and game data.
- Built a **Custom Game Engine** from **JavaScript** with an Animation System, Effects System, Graphics and Utility System, Sound and Music, Accessibility features, **Real-Time Multiplayer Connection**.
- Effectively Coordinated** and led a team of 10 members using **Kanban and Agile** framework, resulting in a **final project grade of 73%** and achieving the **highest grade** within the module.

EDUCATION

BSc Computer Science

Aston University

📅 09/2020 - 07/2023 📍 Birmingham, UK

Relevant Modules:

- Object Oriented Programming
- Data Structures, Algorithms, and Linear Algebra
- User Interface Design
- Basics of Artificial Intelligence
- Database Systems
- Mobile Design and Development
- Software Engineering
- Software Project Management

SKILLS

Programming Languages

Java

React

JavaScript

PHP

C#

Python

SQL

HTML

CSS

Frameworks and Technologies

Node.js

Express

Socket.io

JUnit

Retrofit

GSON

MySQL

Firebase

.ASP Core

Maven

Gradle

Docker

JUnit

Windows

MacOS

Linux

Developer Tools

Visual Studio

VS Code

IntelliJ IDEA

Eclipse

Android Studio

Figma

Jira

Trello

GitHub

GitLab

xampp

WORK EXPERIENCE

Academic Tutor

Remote

📅 01/2024 - 06/2024 📍 Birmingham, UK

Provided academic support and guidance to peers. Assisted with coursework, assignments, and exam preparation. Offered constructive feedback to improve academic performance.

Quality Assurance Engineer

Codemasters

📅 01/2020 - 01/2020 📍 Birmingham, UK

Two week work experience placement at Codemasters, gained experience within the QA department with hands-on experience into gaming software development and quality assurance. Contributed to a game going through active development.

IT Internship

BT Group

📅 03/2017 - 03/2017 📍 London/Birmingham, UK

Rotated within different teams in BT to gain insight into various technical functions including network planning, network support, product management, and mobility solutions.

CERTIFICATIONS

Learn React Course by Codecademy

🌐 <https://www.codecademy.com/profiles/Umar008/certificates/af00e5032d0a68cc84879983f5d8333b>

Gained expert knowledge in React framework and application development. Provided by Codecademy.