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

Calendar App - React Web App

📅 09/2024

🔗 https://umarrajput.co.uk/Calendar-App/

- Developed a **React-based** web app that allows users to add and manage events, providing search functionality by event title or date for **easy navigation** and organization.
- Implemented **responsive UI** design with both light and dark mode options, ensuring a **seamless user experience** across various devices and screen sizes.
- Integrated **state management** in React to handle dynamic event data, allowing users to view and modify events in **real-time** with an intuitive interface.
- Deployed the app online on my **personal website** (umarrajput.co.uk/Calendar-App), showcasing both my development skills and hosting experience.

Cool Surveys - PHP based 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 - JavaScript Multiplayer Web Game

📅 04/2022

🔗 https://github.com/umarraj008/Elemental4Game

- **Led** a team of 10 developers to create Elemental 4, a **JavaScript**-based multiplayer web game, achieving the **highest grade** in the module (73%).
- Developed the game backend using **Node.js**, **Express**, and **MySQL**, implementing **real-time multiplayer** functionality with **Socket.IO** for seamless **client-to-server** communication.
- Engineered a **custom game engine** using **JavaScript**, including an animation system, sound/music integration, accessibility features, and various graphical utilities to enhance **user experience**.
- Coordinated the development process using **Kanban** and **Agile methodologies**, ensuring **efficient project management**, timely delivery, and deployment of the game on Heroku.

EDUCATION

BSc Computer Science

Aston University

📅 09/2020 - 07/2023   📍 Birmingham, UK

Grade
2:1 / 67%

SKILLS

Programming Languages

| Java | React | JavaScript | PHP | C# |

| Python | HTML | CSS | MySQL |

Frameworks and Technologies

| Node.js | Spring | Express | JUnit | GSON |

| Retrofit | Socket.io | Firebase | Windows |

| Maven | Gradle | Docker | MacOS | Linux |

Developer Tools

| Visual Studio | VS Code | InteliJ IDEA | Jira |

| Eclipse | Android Studio | Figma | Trello |

| GitHub | GitLab | xampp |

WORK EXPERIENCE

Academic Tutor

Self Employed

📅 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

React Course by Codecademy

🔗 https://www.codecademy.com/profiles/Umar008/certificates/af00e5032d0a68cc84879983f5d8333b

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

Create REST APIs with Spring and Java by Codecademy

🔗 https://www.codecademy.com/profiles/Umar008/certificates/60f1edf0ac9368001c6025c4

Gained expert knowledge in Spring framework and API development. Provided by Codecademy.