**Muhammad Sameer Masood**

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**SUMMARY**

As a highly skilled and dedicated engineer, I am committed to delivering high-quality products that meet the highest standards and deadlines. My strong skills in a range of programming languages and technologies, such as C#, Dart, JavaScript, PHP, and Python, enable me to tackle a variety of development projects with ease. My expertise spans various areas, including building powerful back-end systems, designing and implementing web APIs, and creating sleek mobile applications. With a focus on technologies like Flutter, Unity3D, Android, iOS, and WebAPI, I am always looking for new challenges and opportunities to enhance my skills. To view some of my recent work, please visit my portfolio at <https://sameer71095.github.io/>.

**WORK EXPERIENCE**

**Royal Ritz**, Dubai (UAE)

*Senior Software Engineer* (04/2021)-Present

* Led a team of software engineers to develop and launch a successful app.
* Focused on customer satisfaction by gathering requirements and providing dedicated support after launch.
* Ensured that all stakeholders' needs were met through thorough project planning and design.
* Wrote high-quality, maintainable code that formed the core framework of the app.
* Provided valuable feedback on requirements, specifications, and technical designs.
* Designed and developed restful web APIs/web services for the app's dashboard and mobile version.
* Managed the entire app development process, including research, planning, testing, and deployment.
* Collaborated with customers throughout the project, collecting feedback and addressing concerns.
* Prioritized client requirements to focus on minimum viable products and future developments.
* Successfully managed the app's lifecycle from start to finish, including post-launch support.

**Micropolis Digital Development FZ LLC**, Dubai (UAE)

*Software Engineer* (04/2018)-(04/2021)

* Worked with cross-functional teams to determine comprehensive requirement specifications for new applications
* Reviewed requirements, specifications, and technical design documents to provide meaningful feedback
* The managed complete app development process from start to finish, including optimization and testing with external users
* Unity 3D developer with experience creating 3D applications, including AR/VR experiences
* Improved system performance by proactively adjusting and resolving bugs
* Worked across stakeholders to ensure the overall design fits together and meets the requirements
* Managed submission and ensured proper QA/QC protocols were implemented
* Created custom mobile applications using native technologies as per client specifications
* Managed all aspects of the app lifecycle from research and planning to deployment and post-launch support
* Provided dedicated support and timely issue resolution to clients following successful app launch
* Filtered and prioritized client requirements into the scope of minimum viable product and future developments
* Determined operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solution
* Created high-quality and engaging applications in an Agile development environment
* Designed and developed RESTful web APIs and web services for Android and iOS devices
* Monitored debugging process and investigated causes of non-conforming software

**Mangotech Solutions**, Karachi

*Mobile Application Developer* (02/2017)-(03/2018)

* Managed the entire Android app lifecycle, from research and planning to deployment and post-launch support.
* Wrote maintainable, solid code that formed the core framework of the app and earned praise from subsequent developers
* Collaborated with cross-functional team members to analyze and implement system solutions for evolving client needs.
* Led efficient large-scale software development, including testing and debugging, to deliver a high-quality app.
* Worked closely with customers to gather requirements, address concerns, and collect feedback throughout the project.
* Developed clear specifications and well-organized project plans based on customer needs.
* Designed and developed features that met user needs and improved productivity.
* Conducted regression testing, analyzed results, and provided observations to the development team to enhance the app.
* Conducted research and development on new platforms, such as React Native, to expand app capabilities.
* Led the full app development process, from start to optimization to testing with external users.
* Created custom mobile apps using native technologies according to client specifications.
* Provided dedicated support and timely resolution of issues to ensure customer satisfaction following the app launch.

**EDUCATION**

**Bachelor of Science in Computer Science(BSCS)**, (2017)

IQRA University, Karachi

**Diploma in Information Technology** (2013)

Monotechnic College, Karachi

**PROJECTS**

**Management System** --- at Royal Ritz

Basic Idea: The proposed system combines Customer Relationship Management (CRM) and Enterprise Resource Planning (ERP) into a single platform, enabling management to efficiently track and manage various aspects of the business. This includes employee performance, supplier relationships, and customer interactions. One key feature is the ability to send daily reports via WhatsApp in case of any delays or issues with employee tasks, allowing for quick corrective action. The system also allows customers to track the status of their orders. Designed as a multi-tenancy application, the system can be used by a central head office as well as multiple showrooms and factories, providing a centralized management system and enabling the organization to streamline and optimize its operations. This system aims to improve efficiency and effectiveness by providing a comprehensive solution for managing CRM and ERP functions.

Technical Aspect: **C#, Rest API, Gulp JS, .Net 6, VCS, Flutter, MS SQL.**

Tools: **Visual Studio, SQL Server, Azure, VS Code.**

**DPAP** --- at Micropolis Digital Development

Basic Idea: The Dubai Police Autonomous Patrol (DPAP) app allows users to control and give instructions to autonomous vehicles. With various modes, including the ability to follow a specific person, remotely control the car's movements, plan a predetermined route, engage in surveillance, and access diagnostic information, the DPAP app offers a convenient and efficient way to manage and operate autonomous vehicles in Dubai. The diagnostic mode provides valuable information, such as temperature, current, battery level, compass readings, and location, which can be used to diagnose and troubleshoot any issues with the vehicle.

Technical Aspect: **C#, Rest API, ROS Bridge, .Net, VCS, Python.**

Tools: **Unity 3D, Visual Studio, MongoDB, ROS, Azure.**

**AlMamzar Park** --- at Micropolis Digital Development

Basic Idea: The AlMamzar Park app is a state-of-the-art mobile application that allows users to easily access and reserve a variety of park facilities, including chalets, grill areas, sports areas, and event spaces. As a developer on the project, I was responsible for both the mobile and server-side development of the app, including the integration of APIs and GPS services to enable features such as navigation within the park. The goal of the AlMamzar Park app is to provide users with a convenient and user-friendly way to access and reserve park facilities, improving their experience at the park.

Technical Aspect: **C#.net, Web API, Identity framework, Repository Pattern, VCS.**

Tools: **Unity 3D, Visual Studio, MS SQL Server.**

Links:

Screenshots: [**https://drive.google.com/drive/u/2/folders/1Tu3D7Umx2Zp5LSgQcNIlxzAXVpBKLgBh**](https://drive.google.com/drive/u/2/folders/1Tu3D7Umx2Zp5LSgQcNIlxzAXVpBKLgBh)

PlayStore:[**https://play.google.com/store/apps/details?id=ae.gov.dm.mamzar&hl=en\_US**](https://play.google.com/store/apps/details?id=ae.gov.dm.mamzar&hl=en_US)

AppStore:   
[**https://apps.apple.com/us/app/almamzar-park/id1437502466?app=itunes&ign-mpt=uo%3D4**](https://apps.apple.com/us/app/almamzar-park/id1437502466?app=itunes&ign-mpt=uo%3D4)

**Forensic Mobile Application** --- at Micropolis Digital Development

Basic Idea: The forensic department's mobile app is designed to assist in the detection of substances like fingerprints, blood, and saliva at crime scenes. Its main function is to identify and analyze fingerprints, using advanced algorithms and specialized hardware integration. This helps forensic investigators gather evidence and potentially identify suspects faster and more accurately. The development of software and hardware integration is a major achievement, as it allows forensic professionals to use cutting-edge technology in their work to solve crimes and bring justice to victims.

Technical Aspect: **Flutter SDK, Dart, Java, SWIFT, Web API, MATLAB.**

Tools: **Android Studio, X Code, ORACLE, Intelli-j-ide.**

Links:

Screenshots: [**https://drive.google.com/drive/u/2/folders/1nfxBMcMwQ1HWlmZyLvuz4HtSH8h0zUgP**](https://drive.google.com/drive/u/2/folders/1nfxBMcMwQ1HWlmZyLvuz4HtSH8h0zUgP)

**IoT Smart Home** --- at Micropolis Digital Development

Basic Idea: A smart home app is a software application that enables homeowners to control and monitor various systems and appliances within their homes via a mobile device. Using a smart home app, homeowners can easily control lighting, heating and cooling systems, security systems, and household appliances like washing machines, dryers, and refrigerators. One of the main benefits of a smart home app is the ability to monitor and control energy usage. For instance, by using a smart thermostat that can be controlled through the app, homeowners can adjust the temperature of their homes remotely, which can help reduce energy consumption and lower energy bills. Additionally, by monitoring appliance usage through the app, homeowners can identify areas where they may be using more energy than necessary and make adjustments to improve efficiency. The goal of a smart home app is to make life easier and more convenient for homeowners, while also helping to save energy and reduce costs. Through advanced technology and automation, homeowners can have greater control over their living environment and make their homes more efficient and sustainable.

Technical Aspect: **Flutter, Dart, Java, sockets, Web API.**

Tools: **Visual Studio Code.**

**Mohamed Bin Rashid Housing Establishment Interactive App** --- at Micropolis

Basic Idea: The mobile app allows users to view 3D models of houses with 360-degree interactive views and access detailed information about the interior of the home. It has been developed for both Android and iOS devices. As a developer, I was responsible for creating an interactive and user-friendly interface that enables users to easily navigate and explore the 3D models of the houses. This included designing features such as panoramic views, zoom functionality, and the ability to select and view specific areas of the home. The goal of the app is to provide users with a more immersive and interactive way to explore the homes available through the MBRHE and get a sense of the layout and features. By providing detailed information and high-quality 3D models, the app aims to facilitate the home-buying process for interested buyers. My efforts as a developer have likely contributed to the success of the app.

Technical Aspect: **C#.**

Tools: **Unity 3D, Visual Studio.**

Links:

Screenshots: [**https://drive.google.com/drive/u/2/folders/1OUiCdRkPhUjtnWWtqlOMwD\_DUfgNAaMb**](https://drive.google.com/drive/u/2/folders/1OUiCdRkPhUjtnWWtqlOMwD_DUfgNAaMb)

**UAE Food Promo App**

Basic Idea: The app helps users save money on food delivery services by providing access to coupons and discounts. The app allows users to browse and redeem these coupons, and the backend system uses web scraping techniques to gather information about available coupons and discounts from various food delivery apps. The app also includes an admin panel that allows you to manage and update coupon codes and other information. The app aims to make food delivery services more affordable and drive traffic to the food delivery apps by providing users with incentives to order through these platforms.

Technical Aspect: **Flutter, Dart, PHP, Web Scrapping, Web API.**

Tools: **Visual Code, Sublime Text.**

Links:

PlayStore:[**https://play.google.com/store/apps/details?id=com.sam.UAEfoodpromo&hl=en\_US**](https://play.google.com/store/apps/details?id=com.sam.UAEfoodpromo&hl=en_US)

**Brand Range**

Basic Idea: Brand Range is a multi-vendor e-commerce platform that aims to provide a seamless and enjoyable online shopping experience for consumers. It brings together a wide range of brands and products in one place, making it easy for customers to browse and purchase items from various sellers. With a user-friendly interface and a range of features, Brand Range aims to streamline the online shopping process and provide customers with a convenient and enjoyable shopping experience. Some key features of Brand Range include the ability to search for and filter products by various criteria, such as price, brand, and category; the ability to save and organize products into wish lists; and the option to leave reviews and ratings on purchased items. Brand Range also offers secure payment options and fast shipping options to help customers easily and confidently complete their purchases. The goal of Brand Range is to make online shopping a more enjoyable and hassle-free experience for consumers.

Technical Aspect: **Flutter, Provider, Magento**

Tools: **Android Studio, Visual Studio, XCode**

Links:

PlayStore:

[**https://play.google.com/store/apps/details?id=ae.brandrange.brand\_range**](https://play.google.com/store/apps/details?id=ae.brandrange.brand_range)

AppStore:   
[**https://apps.apple.com/us/app/brand-range/id1536408345**](https://apps.apple.com/us/app/brand-range/id1536408345)

**Lyfty** --- at Mangotech Solutions

Basic Idea: Lyfty is a transportation app that offers services similar to Uber and Careem, with the added feature of carpooling. As a developer, I was responsible for designing and developing the mobile side of the app, including tasks such as designing the user interface, implementing features and functionality, and testing and debugging the app. Lyfty allows users to request and pay for rides from drivers through their smartphones, and the carpooling feature allows multiple users to share a single ride and split the cost of the trip. This can be a more cost-effective and environmentally friendly option for users traveling to the same destination. The goal of Lyfty is to provide a convenient and cost-effective transportation option for users through advanced technology and innovative features like carpooling.

Technical Aspect: **Java, XML, Location Services, Maps, .Net MVC 5, Web API, Repository pattern, Identity framework.**

Tools: **Android Studio, Visual Studio, MS SQL Server.**

Links:

Screenshots:

[**https://drive.google.com/drive/u/2/folders/1y7qwUFoTw2mNwsBr491HPVU-NjHXNrRr**](https://drive.google.com/drive/u/2/folders/1y7qwUFoTw2mNwsBr491HPVU-NjHXNrRr)