**Muhammad Sameer Masood**

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**SUMMARY**

Detailed-oriented, responsible, and committed engineer, with a get-it-done, on-time, and high-quality

product spirit, defining requirements, designing, implementing, testing, and delivering complex mobile and back-end applications using a variety of programming languages and technologies.

Technical proficiencies include:

Programming languages: **C#, Dart, Java, JavaScript, PHP, XML, CSS, HTML, Matlab, Python**

Database: **MS SQL Server, MongoDB, SQLite, My SQL, Firebase Cloud Firestore**

Tools/Framework/Services: **Unity 3D, Visual Studio, Flutter, Visual Code, Android Studio, Eclipse IDE, Spyder, MongoDB Compass, Robot Operating System(ROS), .Net Core, .Net Framework, ROS Bridge, WebSocket**

Specialties: **Flutter, Unity3D, Android, IOS, WebAPI**

Portfolio: [**https://sameer71095.github.io/**](https://sameer71095.github.io/)

**WORK EXPERIENCE**

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

*Software Engineer* (04/2018)-Present

* Interfaced with a cross-functional team of business analysts, developers, and technical support professionals to determine a comprehensive list of requirement specifications for new applications.
* Reviewed requirements, specifications, and technical design documents to provide timely and meaningful feedback.
* Complete support of the app development process: from development start and optimization to testing with external test users.
* Improved system performance by making proactive adjustments and resolving bugs.
* Work across stakeholders to ensure the overall design fits together and satisfies each stakeholder’s requirements.
* Manage submission and ensure proper QA/QC protocols are implemented.
* Created custom mobile applications using native technologies as per client specifications.
* Managed all aspects of the app lifecycle from research and planning through deployment and post-launched support.
* Provided dedicated support and timely issue resolution to clients following a successful app launch.
* Filter and prioritize client requirements into the scope of minimum viable product and future developments.
* Determines operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solution.
* Create high-quality and engaging applications in an Agile development environment.
* Designing and developing restful web API’s/Web services for android and IOS devices.
* Monitored debugging process and investigational causes of non-conforming software.

**Mangotech Solutions**, Karachi

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

* Collaborated with cross-functional developmental team members to analyze potential system solutions based on evolving client requirements.
* Orchestrated efficient large-scale software development including testing features and correcting code.
* The discussed project progressed with customers, collected feedback on different stages, and directly addressed concerns.
* Gathered and defined customer requirements to develop clear specifications for creating well-organized project plans.
* Designed and develop forward-thinking that most user needs and improve productivity.
* Wrote highly maintainable, solid code for the application that formed the core framework and has won consistent praise from subsequent developers since the initial version.
* Conducted regression testing, analyzed results, and submitted observations to the development team.
* R&D on a new platform like React Native Framework.
* Complete support of the app development process: from development start and optimization to testing with external test users.
* Created custom mobile applications using native technologies as per client specifications.
* Managed all aspects of the Android app lifecycle from research and planning through deployment and post-launched support.
* Provided dedicated support and timely issue resolution to clients following a successful app launch.

**EDUCATION**

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

IQRA University, Karachi

**Diploma in Information Technology** (2013)

Monotechnic College, Karachi

**PROJECTS**

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

Basic Idea: Dubai Police Autonomous Patrol (DPAP) is an app to control and give the instruction to the car. There are many modes in this app user can instruct to follow someone, remote control, mission planning, surveillance mode, and Diagnostic Mode, which will tell every detail of car-like temp, current, Battery, Compass, Battery, Location every single aspect of the car which needs for diagnostics.

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: AlMamzar Park is a multi-platform 3D smart app, where users will able to reserve chalets or book park facilities like grill areas, sports areas, and events, etc. My responsibilities include the development of the application, API integration, integrate GPS services where users will able to navigate inside the park. I have designed and develop the overall mobile side and some server-side operations.

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: Develop a mobile application for the forensic department to detect fingerprints, blood, saliva, etc. The main purpose of the application is to recognize the fingerprints at the crime scene. I have developed the software and integrated it with the hardware.

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: The main idea for the smart home is to control all the electrical appliances through the mobile application and to monitor the usage of electricity.

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

Tools: **Visual Studio Code.**

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

Basic Idea: Users will be able to view the 3D models of the MBRHE house with 360 interactive views, after selecting the specific house users will get all the interior information like floors, parking space in 3D. My responsibilities include developing the mobile application for android and IOS.

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 basic idea of this app is to provide coupon codes for food delivery apps. I have developed the mobile application, backend using web Scrapping, and the admin panel.

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)

**123nGO** --- at Mangotech Solutions

Basic Idea: 123nGO is a transportation app just like Uber and Careem. I have developed this project from start to end. My responsibility includes designed and develop the overall mobile side and server-side operations with live tracking of drivers.

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

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

**Brand Range**

Basic Idea: Brand Range is a multi-vendor e-commerce app aim at providing an immersive and unique experience that makes online shopping a much simpler and seamless process.

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 another transportation app similar to Uber and Careem with additional features like carpooling. I have developed this project from start to end. My responsibility includes designed and develop the overall mobile side.

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)