

Muhammad Umair

Web Developer | GIS Engineer

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INTRODUCTION

An innovative software engineer offering thirteen plus years experience in Web development and GIS. Consistently drives high standards of service through effective project management, communication, and strategic planning to develop sustainable and robust applications. Highly organized with strong capacity to prioritize workload, delegate deliverables, and steer project completion within established deadlines. Creative problem solver and experience in designing software solutions for complex geo-spatial applications for the web, desktop and mobile platforms.

PROFILE

- More than 13 years of experience in Web Programming
- Team lead / Lead-developer responsible from conceptualization to deployment of multiple middle to large scale projects.
- A front-end / full-stack developer, with expertise in back-end, databases & deployment related stuff
- Blend of development with GIS to deliver complex geo-spatial applications and solutions
- Proficient in world renowned Satellite Sensors & their datasets for various applications
- R & D for fast rendering solutions involving Terabytes of satellite imagery

PROFESSIONAL EXPERIENCE

GIS Developer / Manager, Federal Govt. of Pakistan ☑

May 2016 – present
Islamabad, Pakistan

GIS Developer / Assistant Manager, Federal Govt. of Pakistan ☑

2010 – Apr 2016
Islamabad, Pakistan

Jr. Software Engineer, Tradepoint 360 ☑

2009 – 2010
Lahore, Pakistan

Freelancer, Upwork ☑

2016 – present

EDUCATION

MS Remote Sensing & GIS , <i>Institute of Space Technology</i> ☑	Sep 2020 – Mar 2023 Islamabad, Pakistan
BSc Software Engineering , <i>University of Engineering & Technology (UET)</i> ☑	Oct 2005 – Aug 2009 Taxila, Pakistan

CORE COMPETENCIES

Devops	Open-Source
UI / UX	Web Development / Engineering
GIS Analysis	Complex Visualizations

PROJECTS

- * **Efficient & Effective SRS Data Dissemination Portal**
- * **Online Satellite Imagery Service**
- * **Developing a fully functional web-gis application for inventory of recreational/green areas and trees**
- * **Punjab Spatial Data Infrastructure Project**
- * **Satellite Data as a Service (DaaS) Platform**
- * **KP Forest Satellite Land Monitoring System**
- * **Disaster Management Portal**
- * **Crowdsourced Digitization Portal**
- * **An interactive webmap with hundreds of US Census datasets**
- * **GIS visor with MapWinGis, C# .NET, Windows form**
- * **Web GIS portal (uber like) using Mapbox**
- * **Cordova iOS app using Openlayers**
- * **Seating map chart to be displayed from SVG files in React Native**
- * **Web-GIS Application for Public Road Mapping**
- * **Elections poll results GIS**
- * **Roof Measurement Portal**

SKILLS

Jscript, Python	● ● ● ● ●	Jquery, PHP, HTML, CSS	● ● ● ● ●
Full-stack, React.js, Next.js, Node.js	● ● ● ● ●	Mapbox, Leaflet, ArcGIS	● ● ● ● ●
Openlayers, Geoserver, GeoCache	● ● ● ● ●	Apache, Xampp, Nginx	● ● ● ● ●
Geoserver, GDAL, QGIS, ArcGIS	● ● ● ● ●	Postgresql, Postgis, MySQL	● ● ● ● ●
C#, Asp.Net, VB.Net	● ● ● ● ●	AWS, Github, BitBucket, Gitlab	● ● ● ● ●
Windows, Windows Server, Linux	● ● ● ● ●		

INTERESTS

Reading Books, Playstation Games, Football, Cricket, Adventurous Mountaineering, Tours & Trek

LANGUAGES

Urdu	● ● ● ● ●	English	● ● ● ● ●
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CERTIFICATES

- [Front-End Web Development with React](#) 
- [Mastering React](#) 

REFERENCES

Dr. Uzair Iqbal, Assistant Professor, FAST University, Islamabad
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Dr. Ahmed Ali Gul, Disaster Management Expert, World Bank Consultant
ahmed.ali@utmail.net, +923214466846

Dr. Umair Rabbani, CEO, Levant LLC
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Dr. Shahid Iqbal, Hydrologist, IWMI
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