PERSONAL DATA

Name:	Muhammad Umar https://pk.linkedin.com/in/umaraamer
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EDUCATION

2011-2015:	BSCS from Air University Islamabad
2014:	Certified Windows Phone 8.1 Developer from Microsoft Innovation Centre Lahore and FAST NU.
2012:	Certified PHP Web Developer from NICON.
2011:	Pre-Engineering from IMCB I-8/3 Islamabad.

TECHNICAL SUMMARY

Languages, OS & Technologies: C/C++, **C#**, **PHP,** Java, **React Native**, **Redux, Laravel**, Magento, OpenStack**,** Hadoop, Azure, LemonStand, JSP, XAML, HTML5, CSS3, SQL, JavaScript, JQuery, AJAX, Bootstrap/Foundation/Materialize, CodeIgniter**,** WordPress, Google Analytics API, Twilio API, AngularJS, XML/DTD, cURL, R, Windows Phone Apps, OpenGL, Assembly Language x86, MIPS AL, GPU Programming using JOCL, OpenclC, Linux (Ubuntu, CentOS, Redhat, Kali, Backtrack) and Windows.

Additional Software: VS Code, Microsoft Visual Studio, PHPStorm, Sublime Text, Microsoft Web Matrix, NetBeans, Virtual Box, VMware, Adobe Dreamweaver, Eclipse, X/L/WAMP, FileZilla, CISCO Packet Tracer, Flash, MySQL, Microsoft SQL Server, Wireshark, Excel Power Pivot, R Studio, Weka & Rapidminer (Data Mining Softwares), LaTeX, Microsoft Office.

WORK EXPERIENCE:

I have proven experience in developing and deploying large/small applications with success. I have worked on different technologies related to Web, Desktop, Mobile and Cloud Platforms (Azure, AWS, OpenStack & LemonStand). I have developed multiple Web and Mobile Apps which are currently on Store and online. I have worked on different large/small organizations including Microsoft and different Software houses as Web & Software Developer. I am also good at Linux Server administration & troubleshooting.

- **United Sol (Pvt) Ltd. (January 2016 to Current):** As Software Engineer and Project Lead, I have successfully completed multiple mega projects.
  1. *2016-2017:* **Healthginie** (https://www.healthginie.com) is a web portal for doctors and patients. Patients can easily book appointment with doctors. It has an advanced admin panel for call centre agents and advanced analytical functionalities for admins. The Application is developed using PHP Laravel Framework. I was responsible for complete application life cycle from documentation, architecture design to development. ***Demo available at http://whilegeek.com Demo Video section***
  2. *2016-2017:* **Distributed POS System** The application is heavily being used at famous bakery chain (Tehzeeb) in Islamabad, having advanced syncing functionality from multiple branches. Owners can view different type of reports from all branches. The application works offline and syncs with the server when connection to server is available such that it doesn't impact the performance of application while being heavily in use 24/7. I was responsible for complete architecture design of distributed system, offline and online syncing mechanism and development including deployment mechanism. The application developed using PHP CodeIgniter. ***Demo available at http://whilegeek.com Demo Video section***
  3. *2017:* Currently developing **E-Commerce app** for Android and IOS using **React Native**.
- **RDX Sports (September 2015 to December 2015):** As PHP Developer, I worked on Laravel Framework, Ebay Shops and Wordpress (plugins and theme development).
- **BeeGeek.net (March 2015 to September 2015):** It is E-Commerce Website. I worked here as a PHP Magento Developer and Linux Server Administrator.
- **Microsoft (2014):** 3 months Internship. Worked on different Microsoft Technologies including Windows Phone & Store Apps.
- **Nexa PPG (2015):** Automobile Paint Shades Software with complete PHP custom CMS.
- **Gol Technologies (January 2015 to February 2015):** PHP Internship. Worked on different PHP frameworks and Web Technologies.
- **Air University (2014-2015):** Windows Store Apps Workshop Demonstrator
- **Play It Production Islamabad (2014):** Internship on Windows 8.1 Apps.
- **Oxford Public High School Rawalpindi (PHP Website) (2013):** http://oxfordschool.edu.pk
- **Daisyland Public School Rawalpindi (PHP Website):** http://daisyland.edu.pk

PROJECTS:

I have worked extensively on different projects. Some of them are listed here.

- **Online Video Downloader and Converter:** Developed a website using PHP Laravel to download videos from websites like youtube and dailymotion and convert those videos to different formats. Also have functionality to upload and covert video to different audio and video formats.
- **OpenStack Hadoop Cloud Benchmarking**: Developed a web based platform that allow users to Benchmark Hadoop Cloud and visualize the results. It is based on OpenStack, Hadoop, PHP, C++, Bootstrap, Multiple Linux Server VMs & VirutalBox. You can check out the demo at https://www.facebook.com/BenchmarkOpenStackHadoopCloud/
- **Gamer Desk** Windows Store app to Create PC Games Library, Launch and Track Gameplay Time and get information about them automatically. https://www.microsoft.com/en-us/store/apps/gamer-desk/9wzdncrdfkk7

- **E Reminder** Windows Phone App that reminds users of movies, tv shows or games that they want to watch or play, and display brief information about them. https://www.microsoft.com/en-us/store/apps/e-reminder/9wzdncrdfkkk
- **Diplomatic Enclave (2015):** Linux Server troubleshooting and PHP Website Deployment.
- Hospital Management System Website in JSPs and Java Servlets. Completely implemented with MVC concepts.
- Property Rental System Website using PHP with MYSQL and JavaScript.
- Developed Multithreaded Chat Room Application in C#.
- Made Tutorial of WEKA to run different Data Mining Algorithms
- Developed C# Application to Hide Image within Image which includes Encryption and Decryption of Image using Image Processing Concepts.
- Solved 8 Queen Problem using Genetic Programming in C# with the help of Artificial Intelligence.
- Multilevel Feedback Queue Scheduling Algorithm Simulation using C++. Queues include Round Robin and FCFS.
- Contiguous Memory Allocation Simulation using C++. It is simulation of Variable size partitioning of Memory Management using First-Fit and Best-Fit Algorithm to allocate memory to processes.
- Matrix Multiplication with OpenCL using Direct and Optimized methods of GPU Programming in JOCL environment.
- PAC-MAN game using C++
- ATM Transaction System simulation using C++
- Relational Database of Property Rental System.

Concepts: I have good concepts in the following:

- Web & Software Engineering
- MVC Architecture
- Linux Server Administration & Deployment
- E Commerce Frameworks
- Relational Database Designing
- OpenStack Cloud Architecture
- Hadoop Cluster
- Computer Communication & Networks
- Data Science Data Warehousing & Data Mining
- Digital Image Processing Concepts
- Data structures
- Object Oriented Programming
- Operating Systems
- Theory of Automata
- Computer Architecture
- Assembly Languages
- Data Parallel Programming
- Heterogeneous Computing
- Graphics Programming
- Cache, Memory and Disk Storage

I am eager to learn, and passionate about everything related software. I am always looking forward to challenge myself with most demanding tasks and technologies and accomplish them on time. I make sure to take responsibility of every stage of software development lifecycle from documentation and planning to deployment. Technology and Languages are just a tool to me to develop products, Your company will definitely benefit from my experience in variety of technologies.

INTERESTS:
PC Gaming, Latest Computer Hardware Tech & Software Research.

Care about the Code?
http://github.com/gamingumar
http://twitter.com/UmarCloud
http://facebook.com/WhileGeek
http://whilegeek.com
http://whilegeek.com/umar-cv.pdf