PERSONAL DATA

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Date of Birth:	22 March, 1994
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EDUCATION

2011-2015:	BS Computer Science from Air University Islamabad
2014:	Certified Windows Apps Developer from Microsoft Innovation Centre Lahore.
2012:	Certified PHP Web Developer from NICON.
2011:	Pre-Engineering from IMCB I-8/3 Islamabad.

TECHNICAL SUMMARY

- **JavaScript**
  - React JS
  - React Native
  - Redux and SAGA
  - Angular JS
  - jQuery, AJAX
  - NPM, Yarn
  - GULP
- **PHP**
  - Laravel
  - CodeIgniter
  - Magento
  - WordPress
  - *Composer*
- **Databases**
  - SQL
  - MySQL
  - MS SQL
  - Eloquent ORM
- **Version Control**
  - Git
  - Github
  - Bitbucket

- **UI**, DATA
  - HTML5, CSS3,
  - Bootstrap, Foundation, Materialize
  - XML, DTD, XAML
- **API**
  - REST, SOAP
  - JSON, XML
  - Google Analytics
  - Twilio and others
  - cURL
- **Tools**
  - VS Code
  - Atom, Sublime
  - MS Visual Studio
  - Web / PHP Storm
  - MS Web Matrix
  - Netbeans
  - Eclipse

  - VirtualBox
  - VMware
  - X/L/W/MAMP
  - Valet Server MAC
  - Dreamweaver
  - FileZilla, SSH

- **C/C++, C#, Java, R**
- Assembly Language x86
- MIPS AL
- OpenGL, GPU Programming
- JOCL, OpenclC

- **Cloud**
  - AWS (Amazon Cloud)
  - Azure (Microsoft)
  - Google Cloud Platform
  - OpenStack
  - Hadoop
  - LemonStand

- **Operating Systems**
  - MacOS, iOS
  - Windows 10, UWP
  - Linux, Android, Ubuntu, CentOS, Kali, Redhat
- **Others Tools**
  - Wireshark
  - CISCO Packet Tracer
  - R Studio
  - WEKA
  - RapidMiner
  - LaTeX
  - Excel Power Pivot
  - MS Office

WORK EXPERIENCE:

I am enthusiast and passionate product developer having 5+ years proven experience in developing and deploying large/small scale applications. I have worked on different technologies related to Web, Desktop, Mobile and Cloud Platforms. I have developed multiple Web and Mobile Apps which are currently on Store and online. I have worked for different large/small organizations including Microsoft and different Software houses.

- **United Sol (Pvt) Ltd.** *(January 2016 - Present)***:** As **Software Engineer and Product Lead**, I have successfully completed multiple projects.

  1. *2016-2017:* **Healthginie (now DocPro)** (https://www.docpro.pk) is a web portal for doctors and patients. Patients can discover doctors, filter through different categories and easily book appointment with them. 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. Admin *Demo available at* 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* whilegeek.com *Demo Video section.*

  3. *2017:* Currently developing **E-Commerce app** for Android and IOS using **React Native**. App can be downloaded from https://expo.io/@gamingumar *Demo available at* whilegeek.com *Demo Video section.*

- **RDX Sports** *(September 2015 - 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 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):** Windows Store Apps Development.
- **Oxford Public High School (PHP Custom CMS Website) (2013):** http://oxfordschool.edu.pk
- **Daisyland Public School (PHP CMS Website) (2012-2013):** http://daisyland.edu.pk

PROJECTS: (https://github.com/gamingumar)

As a passionate programmer I have worked extensively on different side 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 Design of Property Rental System.

Concepts:

- Web & Mobile Software Engineering
- MVC Architecture
- Redux
- Linux Server Administration & Deployment
- E Commerce Frameworks
- Relational Database Designing
- OpenStack Cloud Architecture
- Hadoop Cluster
- Computer Communication & Networks
- Graphics Programming
- Cache, Memory and Disk Storage
- 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

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 am capable of taking responsibility of every stage of software development lifecycle from documentation and planning to development and deployment. Technology and Languages are just a tool to me to develop awesome products, your company will definitely benefit from my experience in variety of technologies.

INTERESTS:
- PC Gaming
- Upgrading my Gaming PC
- Software Research
- Blogs about Latest Hardware and Software Technologies
- Martial Arts
- Movies, Seasons
- Hiking, Travel

Ref:
https://github.com/gamingumar
https://expo.io/@gamingumar
http://whilegeek.com

http://whilegeek.com/umar-cv.pdf

https://twitter.com/UmarCloud
https://facebook.com/WhileGeek