PERSONAL DATA

Name:	Muhammad Umar https://pk.linkedin.com/in/umaraamer
Father Name:	Muhammad Aamer
Address:	Khayaban-e-Sir Syed, Rawalpindi, Pakistan
Date of Birth:	22 March, 1994
Mobile:	+92 333 525 1661
Web:	https://umar.tech
Email:	umaraamer@gmail.com

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 & React Native
  - Nest JS
  - Vue JS
  - NodeJS
  - Meteor JS
  - Express JS
  - NPM, Yarn
  - Webpack
  - GULP
- **PHP**
  - Laravel
  - CodeIgniter
  - Magento
  - WordPress
  - *Composer*
- Databases / ORMs
  - SQL
  - MySQL/Eloquent
  - MS SQL
  - PostgreSQL/TypeORM
- **Version Control**
  - Git
  - Github
  - Bitbucket

- **UI**, DATA
  - HTML5, CSS3, Flexbox
  - Material UI, Bootstrap, Foundation, Materialize
  - JSX, LESS, SASS
  - XML, DTD, XAML
- **APIs**
  - REST, SOAP
  - JSON, XML
  - Facebook,Google Analytics
  - Twilio, Stripe
  - cURL
- **Tools**
  - VS Code
  - Web / PHP Storm
  - Atom, Sublime
  - MS Visual Studio
  - MS Web Matrix
  - iTerm / Zsh
  - Netbeans
  - Eclipse
  - VirtualBox
  - VMware
  - X/L/W/MAMP
  - Valet Server MAC
  - FileZilla, SSH

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

- **Cloud**
  - AWS
  - Azure
  - GCP
  - OpenStack
  - Hadoop
  - LemonStand

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

WORK EXPERIENCE:

I am enthusiast and passionate software developer with 9+ years of proven experience in developing and deploying large/small scale applications for different organizations. I have worked on different technologies related to Web, Mobile, Desktop and Cloud Platforms. Right now, I am totally into JavaScript ecosystem and primarily working on React and Node JS.

- **Datum Square (January 2019 – present):** Working as **Senior Software Engineer**. Primarily working on React Native Apps, React JS and Nest JS. I also lead developers along the lifecycle of the project.
  [http://datumsquare.com/ | https://www.allshorevirtualstaffing.com/]
    - **2020-2021: Dyme Jobs and Rewards** (http://mydyme.io/) Companies post jobs from web interface and reward their employees based on referral. Applicants apply using mobile app. I worked on the complete architecture of this application from building backend APIs, its web portal, deployment on AWS EC2, Amplify and mobile apps. Backend is built using Nest JS, Web is on React JS and mobile apps for android and iOS are built using React Native.
    - **2020: Condado Callroute:** It helps admins to keep track of active phone numbers and switch to alternate phone number in case of downtime. Additional administrative features include managing domains, users and security settings. It is built using React Native and available for both Android and iOS devices.
    - **2019-2020: My Sports Vote** (https://mysportsvote.com) An app for sports fans with gamification elements. It is available for Android and iOS and built using **React Native**.
    - **2019: The New Flat Rate** (https://thenewflatrate.com) App for Builders and Technicians to help them manage orders and invoices. It is built using **React Native** and available on both stores for mobiles and tablets.

- **Progos Tech** *(October 2018 – December 2019)***:** Worked as **Senior React Developer**
  [https://progostech.com/]
    - Worked on **React Native** apps including Events and Parties for consumers and venue owners.

- **United Sol** *(January 2016 – October 2018)***:** As a **Lead Software Engineer and Solution Architect**, I have successfully completed multiple projects individually and by leading a team of developers. [http://www.unitedsol.net/]
    - *2017-2018:* **E-Commerce** app **(Yeebly)** built using **React Native** for Android and IOS, with Backend in **Magento 2**. It is using ES6, Redux, React Navigation and Expo. App can be downloaded from ***Google Play*** and ***Apple App Store.*** https://www.yeebly.ae/

    - *2017-2018:* **SaaS Application for Construction Industry,** as Lead Developer and Solution Architect, I lead a team of 4 developers working on a product using **Autodesk** Technology with Backend in **Laravel** and **Node JS** along with an iPAD app. I developed a smart bot to extract and interact with WebGL and web frontend to extract different type of information (critical for product) and render on server side using Node JS. Along with that I worked on its backend API and whole architecture.

    - *2018:* **Restaurant App built with React Native**. I worked along with one other developer on this app. It is designed for restaurant industry. For iPhone, Android and iPAD. (https://eatnnow.com)

    - *2016-2017:* (DocPro) (https://www.docpro.pk) is a web portal for doctors and patients. Patients can discover doctors, filter through different categories and expertise 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*** gamingumar.com ***Demo Video section.***

- *2016-2017:* **Distributed POS System** The application is heavily being used at famous bakery chain (Tehzeeb) in Islamabad and Rawalpindi, having advanced syncing functionality for sales and products from multiple branches. Owners can view different type of reports from all branches. The application works offline and syncs with the server also such that it doesn't impact the performance of application while being heavily in use 24/7. I am responsible for complete architecture design of distributed system, offline and online syncing architecture, development including deployment mechanism. The application developed using PHP CodeIgniter, Redis, Javascript. ***Demo available at*** gamingumar.com ***Demo Video section.*** **POS Reporting App** built in **Laravel** and **React**

- **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 CMS Portal) (2013):** http://oxfordschool.edu.pk
- **Daisyland Public School (PHP CMS Portal) (2012-2013):** http://daisyland.edu.pk

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

As a passionate programmer I am actively working on different projects. Some of them can be found on my GitHub profile. Demo Videos and screenshots of my React Native apps and portals can be found at (https://gamingumar.com)

- **Dashboard for GPU Mining:** Get real time GPU mining hashrate, status along with other information. It is react app. That scales from large TVs to mobile screens. https://github.com/gamingumar/watcher
- **Fitness Tracker React Native:** App uses Samsung Health, Apple Health Kit and Google Fit integration to display user fitness data from different sources.
- **Online Video Downloader, Converter and VPN:** Developed a portal using PHP Laravel to download and convert videos from websites like YouTube and dailymotion and convert those videos to different formats. Developed Custom VPN in **AWS Cloud** so user can download geo restricted videos. Also have functionality to upload and covert video to different audio and video formats.
- **Prayer Timing APP:** React App with Laravel backend for Prayer timing. https://github.com/gamingumar/jamat-timings
- **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://github.com/gamingumar/gamerdesk

- **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.
- **Diplomatic Enclave (2015):** Linux Server troubleshooting and PHP Website Deployment.
- Hospital Management System Website in JSPs and Java Servlets. Completely implemented with MVC concepts.
- 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.
- Property Rental System Website using PHP with MYSQL and JavaScript.
- 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++

Concepts:

- Web & Mobile Software Development
- **MVC** and **Redux** Flux Architecture
- Linux Server Administration & Deployment
- E Commerce Frameworks
- Relational Database Designing
- OpenStack / Hadoop Cloud Architecture
- 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
- Computer Architecture
- Assembly Languages
- Data Parallel Programming

INTERESTS:
- PC Gaming and Upgrading my Gaming PC
- Software Research
- Reading Writing Blogs about Latest Hardware and Software Technologies
- Martial Arts
- Movies, Seasons (Marvel and DC Fan)
- Hiking, Travel

Ref:
https://gamingumar.com
https://github.com/gamingumar
https://twitter.com/UmarCloud
https://facebook.com/WhileGeek