



## Form TECH-6: Curriculum Vitae (CV) for Proposed

1. **Proposed Position:**
2. **Name of Firm:** BARQAAB Consulting Services Pvt. Ltd.
3. **Name of Expert:** Fakhar-e-Alam Bhatti
4. **Date of Birth:** 15<sup>th</sup> March 1972 **Citizenship:** Pakistani
5. **Education:** M.Sc. Computing (Imperial College London), B.Sc. Elect. Engg. (UET Lahore).
6. **Membership in Professional Societies:** Pakistan Engineering Council
7. **Other Trainings:**
8. **Countries of Work Experience:**
9. **Languages and Degree of Proficiency**

| Language | Speaking  | Reading   | Writing   |
|----------|-----------|-----------|-----------|
| English  | Good      | Excellent | Excellent |
| Urdu     | Excellent | Excellent | Excellent |

### 10. Employment Record:

From: 28 July 2014 To: todate  
Employer: *BARQAAB Consulting Services Pvt. Ltd.*  
Position Held: *Principal Engineer.*

From: Aug 2008 To: Jun 2014  
Employer: *The EWORKS Company*  
Position Held: *Managing Partner*

From: Aug 2008 To: July 2012  
Employer: *CTO 24/7 Pvt. Ltd.*  
Position Held: *Consultant*

From: Jul 2002 To: Aug 2008  
Employer: *NESPAK*  
Position Held: *Sr. Engineer (IT)*

From: Jul 1998 To: Oct. 2000  
Employer: *Pakistan Drainage Consultants*  
Position Held: *Jr. Engineer*

From: Jan 1998 To: May 1998  
Employer: *DESCON*  
Position Held: *Assistant Engineer.*



## 11. Works Undertaken that Best Illustrate Capability to Handle the Tasks Assigned

### THE EWORKS COMPANY

**Name of assignment or project:** Product Development for SyncUP

**Year:** 2008-10

**Location:** Lahore.

**Client:** HiTEC (Yemen).

**Main project features:** Development of a client server application for synchronization of mobile data with a server application.

**Positions held:** Solution Architect

**Activities performed:**

- Developed the overall system architecture.
- Selection of the optimum synchronization server.

### CTO 24/7 Pvt. Ltd.

**Name of assignment or project:**

**Year:** 2008-10

**Location:** Lahore.

**Client:** Various

**Positions held:** Consultant

**Activities performed:**

- Responsible for technical proposals for various GIS projects.

### NESPAK

**Name of assignment or project:** Alborz Integrated Land and Water Management Project

**Year:** 2007-8

**Location:** Sari, IRAN.

**Client:** Mazandaran Regional Water Company

**Main project features:** Development of a GIS based Knowledge Database for Water & Environment.

**Positions held:** Team Lead (IT)

**Activities performed:**

- Developed the overall system architecture of the MIS.
- Selection of the optimum GIS solution for the project.
- Web GIS development.
- Preparation of the hardware system specifications document for purchase of servers and other IT equipment.

**Name of assignment or project:** Iran Pakistan India Gas Pipeline Route Study Project

**Year:** 2008

**Location:** Pakistan

**Client:** ISGS Pakistan.

**Main project features:** Selection of most feasible routes for gas pipe line between Iran, Pakistan & India using GIS.

**Positions held:** Team Lead

**Activities performed:**

- Coordination between various departments within NESPAK.
- Responsible for the Inception, Route Selection Criteria and Final Report.
- Determination of Route Selection Criteria using Analytical Hierarchy Process.
- Preparation of Topographic GIS Maps.
- Presented solution and methodology to MD ISGS and MD SNGPL for final approval.



**Name of assignment or project:** Management Consultancy for the Computerization of the Crimes Investigation Department

**Year:** 2002-2006

**Location:** Lahore

**Client:** Information Technology Department, Govt. of Punjab.

**Main project features:** Development of an Information System providing a unified common viewpoint to the entire department with a special emphasis on the security. The functionality to be provided included; maintenance of leaves records, motor vehicle records and other day-to-day administration features. The information system would provide the upper management with the capability to make timelier & informative decisions; the system will also mitigate the problems faced with conventional disparate systems.

**Positions held:** Team Lead

**Activities performed:** Prepared the 'Software Requirement Specifications' Document, performed detailed system analysis. Studied comparable systems used by law enforcement authorities. Based on the study recommended the requirements for a Link Analysis Tool for establishing links of suspects during interrogation. Prepared the detailed SRS of software modules for each wing/section of the CID.

**Project:** Development of SRS for E-Services at Chief Commissioner's Office, Islamabad.

**Year:** 2005

**Role:** Team Lead

**Location:** Islamabad / Lahore, Pakistan.

**Client:** Electronic Government Directorate.

**Main project features:** The project aimed to establish the IT infrastructure and relevant software applications which are of critical nature to the Chief/Deputy Commissioner's offices and attached departments. This IT enablement would improve delivery of services to citizens, streamline internal office communication, facilitate access and processing by the government officials, and also make available required information on the working of the Chief/Deputy Commissioner Office, which is of public nature, to the citizens.

**Activities performed:** Served as Team Lead of the Software Team responsible for the preparation of Software Requirement Specifications Document. Performed a Business Process Re-engineering study resulting in the approval of a Central Facility for the citizens. Developed the Data Migration Strategy for each software module. Determined the optimum specifications for hardware to be procured for the project.

**Project:** Motor Transport Management Information System

**Year:** 2002 - 2006

**Role:** Team Lead

**Location:** Lahore, Pakistan.

**Client:** Information Technology Department, Govt. of Punjab.

**Main project features:** In terms of the scope, size and complexity, the MTMIS project was one of the major projects undertaken by the Information Technology Department. The project aimed at the development of the following systems; A Motor Transport Management Information System to be deployed at a central location serving the entire province of Punjab, a Motor Vehicle Registration and Taxation Management System for the Punjab Excise & Taxation Department, a Transport Department Automated System for the Punjab Transport Department, a Driving License Issuance and Management System for the Driving Licensing Authority Lahore, an Environment Department Management Information System, and a Falcon Control Terminal for the management of stolen vehicle records. In addition to the development of information systems, the MTMIS project aimed at bringing in the most advanced technology to date for the purpose of management of motor vehicles, including radio frequency id (RFID) based driving license and motor vehicle registration books, retro-reflective registration plates and GSM/GPRS based access to motor vehicle records for on spot verifications.

**Activities performed:** Responsible for conducting a 'Business Process Re-engineering' and 'Standard Operating Procedures' study for the Excise & Taxation Department, detailed system analysis and preparation of a requirement specifications and bidding document involving terms and conditions of the contract, use cases, software requirement specifications, information flow, system security considerations, selection of the technologies such as retro-reflective registration plates, smart cards, RFID embedded third license plates etc. and payment of taxes/fees through prepaid cards etc. Also responsible for technical and financial evaluation of both hardware and software components of the project.



**Project:** Computerization of Arms Licenses

**Year:** 2002 - 2004

**Role:** Initially a Team Member and subsequently a Team Lead

**Location:** Pakistan

**Client:** Information Technology Department, Govt. of Punjab.

**Activities performed:** Responsible for detailed system analysis and preparation of a Requirement Specifications and bidding document involving terms and conditions of the contract, use cases, Software Requirement Specifications, data flow diagrams, system security considerations, selection of hardware for the Local Area Network to be setup in Home Department Lahore and DCO office Sialkot, database servers, data entry workstations, magnetic card printing equipment, selection of the OS platform and Database Management Software. Also responsible for technical and financial evaluation of both hardware and software components of the project.

**Project:** Live Stock Database Management System

**Role:** Team Lead (System Specification)

**Location:** Pakistan

**Client:** Information Technology Department, Govt. of Punjab.

**Activities performed:** Responsible for detailed system analysis and preparation of Hardware Requirement Specifications and bidding document involving terms and conditions of the contract, selection of hardware for the Local Area Network, servers and workstations, ISDN equipment and bandwidth requirements, OS platform, DBMS selection etc. Also responsible for technical and financial evaluation of the hardware component of the project.

#### PAKISTAN DRAINAGE CONSULTANTS

**Project:** National Drainage Programme

**Year:** 1998 - 2000

**Role:** Junior Engineer

**Location:** Pakistan

**Client:** WAPDA

**Activities performed:** Assisted the SCADA Team Lead in preparing a preliminary design of a SCADA system for irrigation network of Punjab. Participated in a number of presentations, meetings and specific one to one sessions to educate the beneficiaries of the capabilities and benefits of such a system.

#### DESCON ENGINEERING LIMITED

**Project:** Detailed Engineering for PARCO

**Year:** 1998

**Role:** Assistant Engineer

**Activities performed:** Responsible for the detailed design of Fire Alarm and Internal Communications Systems.

#### 12. Certification:

I, the undersigned, certify, to the best of my knowledge and belief that this CV correctly describes my qualifications and my experience.

[Signature of Applicant]

Date: 25 / Aug / 2014  
Day/Month/Year

Full Name of Applicant: Fakhar -e- Alam Bhatti