

# Shajjuddin Ahmed

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## Summary

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- Over **4 years** of professional work experience in the largest IT organization of Pakistan
- Over **2 years** experience in **project management** on several national level projects
- **10 years** experience **programming software** and **web applications** in **C#** and **PHP**
- Over **8 years** experience in **database design** and implementation in **MySQL, Microsoft SQL Server** and **PostgreSQL**
- **10 years** of experience in **graphic designing** and **web development** in **Adobe Photoshop, Adobe Dreamweaver** and **Adobe Flash**
- **3 years** experience in **video production, 3d modeling** and **animation**
- Strong analytical, problem solving and interpersonal skills.

## Skillset

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Programming Languages	PHP, JavaScript Perl, C++, C#, ActionScript	Advanced Intermediate
Databases	MySQL PostgreSQL MsSQL	Advanced Advanced Advanced
Development Packages	LAMP/WAMP Visual Studio	Advanced Intermediate
Design Packages	Adobe Master Studio CS3	Advanced
3D Packages	Autodesk Maya	Advanced
Operating Systems	Windows (NT/2K/XP) Linux (Redhat/Ubuntu)	Advanced Intermediate

## Work Experience

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### Electronic Education Portals (MEDIU – Malaysia) 2009

**Client:** Al-Madinah International University  
**Tools Used:** PHP/MySQL  
**Platform:** FreeBSD  
**Personal Role:** Consultant/Developer

MEDIU is a newly established online university which aims to educate the young generation of Malaysia via distance learning by means of the latest available technology. These education portals were designed of help implement this strategy.

### Machine Readable Electronic Passports (NADRA – Pakistan) 2005

**Client:** Immigration and Passport, Government of Pakistan  
**Tools Used:** C#, Java, Oracle, PostgreSQL  
**Platform:** Linux, Windows  
**Personal Role:** Design Engineer

The MRP project involves issuing new Machine Readable Passports to all the citizens of Pakistan. The project was envisaged to replace the outdated system of I&P and allow an efficient process to takeover the issuance of these passports. Distributed over 28 Regional Passport Offices all over Pakistan, the project involved initial Research and Development on MRP, Identification of Possible Solutions, System Analysis and Design, and Nationwide Implementation.

## **Automated Border Control System (NADRA – Pakistan) 2005**

**Client:** Immigration Department, Federal Investigation Agency  
**Tools Used:** C#, Java, Oracle, PostgreSQL  
**Platform:** Linux, Windows  
**Personal Role:** Design Engineer

The Automated Border Control, or ABC, is designed to make full use of the MRP to allow quick and efficient processing of passengers at all international airports. This system provides an almost entry-less platform for immigration authorities to process both arriving and departing passengers who hold the Machine Readable Passports of any country. Consisting of document scanners with OCR capabilities, facial recognition and fingerprint verification, this system is one of the most advanced automated systems of immigration.

## **NADRA Workflow Automation (NADRA – Pakistan) 2004 - 2005**

**Client:** NADRA  
**Tools Used:** C#, SQL Server  
**Platform:** Windows  
**Personal Role:** Process Designer

NADRA has recently become the first Government organization in Pakistan to fully automate its workflows and replace the age old systems of paper-based communication with advanced electronic means of interoffice communication. All of NADRA's internal workflows have been automated using Ultimus® BPM Suite and Microsoft Sharepoint Portal Server.

## **Implementation of ERP (NADRA – Pakistan) 2004 - 2005**

**Client:** NADRA  
**Tools Used:** C#, Oracle  
**Platform:** Linux, Windows  
**Personal Role:** Team Lead (Web Development)

With the acquisition of Oracle ERP E-Business Suite, NADRA started full scale implementation of ERP. The option of built-in forms of Oracle was always available but it was decided to develop customized applications to cater for the complicated demands of the organizational structure of NADRA. Several applications were developed including the Employee Assessment and ERP Web View which are now the backbone of performance evaluation of all employees.

## **Online Recruitment Management System (NADRA – Pakistan) 2003**

**Client:** NADRA  
**Tools Used:** PHP, MySQL  
**Platform:** Linux, Windows  
**Personal Role:** Designer/Developer

During the rush of hiring in the early days, the managers found it especially difficult to manage the thousands of applications sent by prospective applicants for the several hundred jobs announced each quarter. To better manage the hiring process it was decided that all recruitments shall be made online... thus NADRA Careers was born. A complete online hiring and application management system that not only required users to fill out their CVs for uniformity, but also provided managers an easy to use administrative interface to shortlist and schedule interviews of prospective applicants.

## **Development of NADRA LAN (NADRA – Pakistan) 2002 - 2003**

**Client:** NADRA  
**Tools Used:** PHP, MySQL  
**Platform:** Linux, Windows  
**Personal role:** Team Lead (Web Development)

With the rapid growth of the organization and increase in workforce it became clear the without proper communication among the employees it would be impossible to keep the organization running fluidly. To overcome this problem, the Local area network already present was enhanced by developing several applications to improve communication between employees. These applications included a Project Management System, an Accounts Manager, Attendance System and many more small applications that improved the overall productivity of the organization.

### **International Website (NADRA – Pakistan) 2001 - 2005**

**Client:** NADRA  
**Tools Used:** Photoshop, Dreamweaver  
**Platform:** Windows  
**Personal Role:** Designer/Developer

NADRA's original website has been designed and remodeled as times changed. All versions starting from 2001 till 2005 have been designed and developed while working at NADRA.

### ***Education***

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2005 – 2009 Bachelors of Multimedia (BMM) – Currently Undergoing  
Multimedia University, Cyberjaya, Malaysia

1997 – 1999 Bachelors of Computer Science (BCS) -- discontinued  
National University of Computing and Emerging Sciences, Islamabad

### ***References***

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Usman Mobin	Chief Technology Officer (NADRA)	+92-51-111-786-100
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Rizwan Anwar	Professional Services Head (SAS Pakistan)	+92 301 821 3316