Sanjeeb Ojha

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Personal Profile

A highly diligent and industrious individual with an experience in Software and Web application development, System Administration, Software Engineer and wide range of knowledge in Project Management. In addition, I am comfortable working both as a team and independently and have achieved a high academic standard and working experience in a multi-platform team, now committed to building a successful and rewarding career with a progressing company.

Skills

- *Object Oriented Analysis and Design, Design Patterns*
- *Programming Efficiency*:
  .NET(C#.net, VB.net, ASP.NET, WCF, MVC, Entity Framework, LINQ), K2 Blackpearl, Kofax, Sharepoint, VB6, Crystal Report, JAVA, MATLAB, C/C++, OpenGL, Flash AS2 and AS3, Flash Papervision 3D, Javascript, JQuery, GameQuery, XML, CSS, Prolog, Perl
- *Development Tools*:
  Visual Studio 2002, 2005, 2008, 2010 2008, Business Intelligence Development Device (SSIS), Kofax, JCreator, Dev-C++, Eclipse (Windows/Linux), Netbeans(Windows/Linux), Dreamweaver, Macromedia/Adobe Flash MX, CS, CS3, CS4, CS5, Flash Developer
- *Designing Tools*:
  Umbrello UML Modeller, Rationale Rose, Macromedia/Adobe Fireworks, Flash, Photoshop CS3, CS4, CS5, CS6
- *Database*:
  MS SQL 2005 and 2008, Oracle, SQLite, MySQL, MS Sql Compact for Mobile device, SSIS
- *Agile Methodology (Scrum) using TFS and MS Project*
- *Prototyping, Rapid application development.*
- *NUnit in C#.net and VB.net (Unit testing)*
- *Windows All, Linux (Fedora core -All versions, Red hat 9.0, SUSE, Ubuntu 10/11/12.04/12.10/13.04/13.10), MS DOS/Linux console, Raspian for Raspberry Pi*
- *Office proficiency (Microsoft Office, Open Office, Microsoft Project, Microsoft Visio, Microsoft Sharepoint)*
- *Languages*:
  English, Nepali and Hindi(Indian)

Work Experience

Oct 2011- Till now	**Software Developer** Moog Inc. (www.moog.co.uk) *Tools:* C#, .Net Framework, Asp.net, MCV, Entity Framework 4, LINQ, JQuery, Ajax, Java Script, CSS, TFS, SVN sub version, MSSQL 2008, SSIS, K2 blackpearl (workflow and k2 form), Sharepoint, Kofax, Objective C, JAVA, Blackberry RIM *Responsibility: Software development, Support and maintenance of .net Application and integration tools, Manage other two supporting developers in offshore.*

- *AP Scanning* is a system to extract data from invoice and automate accounts payable processing and is developed in **C#.net**, **K2 blackpearl**, **Kofax**, **Sharepoint**, **SSIS** and **MSSQL 2008 R2**. My responsibility is to develop various modules, support the whole system, deployment in various business sites at Germany, Luxemburg, United Kingdom, Unna, inter-company and expanding to few more European sites.
- *TIPQA Integration* is a system to integrate **MFG Pro** and **TIPQA**. XMLs generated by MFG Pro Qxtend is loaded to TIPQA Database using **SSIS**. My responsibility was to develop, support for various business sites.
- *European Performance Review* is a process to securely review the performance of employee to review and evaluate the performance.(**C# Asp.Net**/**MSSQL 2008**)
- *ePortal Integration* is an integration tool developed in **SSIS** and **MSSQL** to integrate Business Data and ecommerce solution to track and place sales order by customer.
- Proposal Pricing is a process designed and developed in **Sharepoint** and **C# .Net** application for generating and evaluating cost proposals of contracts.
- *Sales Workforce tools* are **IOS** and **Blackberry** native applications and HTML5 site optimized for IPAD2 and 3 (**.net 4** and **MVC 3 Razor View Engine**) to record and track clients and client requests by sales people.
- Also responsible to manage .net applications in TFS. Manage and monitor bugs, user stories and work items in TFS. Scrum process in TFS is used as development process. Build and Deployment of the .net application are done automatically using **MSBuild** and **TFS**.
- I am responsible for supporting other projects like *IT Change Request*, *ERP web services*, *Dashboard*

application, *Project Web*, *Intranet portal* and **more than 20** other **.Net** and **Sharepoint 2007** applications.

- I am responsible for training and managing two other developers to maintain and support all Applications.
- I am also responsible for maintaining **development servers** and **development virtual machines** for various tools and applications including **Sharepoint**, **MSSQL Server 2008**, **Kofax** and **K2 blackperl**.

Feb 2010 –
Sept 2011

Freelancer Web Developer

Gloomshade (http://www.gloomshade.no)

Tools: Php, MySql, Flash AS3, Ajax, GameQuery, Java2d, Javascript, xml, css, Adobe cs4

Responsibility:

- *JWPlayer* was integrated into the system. Playlist for this **flash video player** was generated dynamically in **XML**.
- **Javascript 2d drawing** library was used for *workflow diagram*.
- **Gamequery** was implemented for the *3d animation* for time management.
- **Flash** website for the short movie 'The man for hug and kiss' (http://www.hugandkissmovie.com) was developed using **Flash CS5** and **Flash Action Script 3.0.**
- **JQuery** tooltip was implemented to create *dynamic menu*.

RSS, Youtube video, Facebook feed, Odesk was *embedded* into a web module.

Dec 2008-
Mar 2009
(Part time)
Mar-2009-
Jan 2010
(Full time)

System Analyst/ Developer

ITCorn Pvt. Ltd. (http://www.itcorn.com)

Tools: C#.Net, VB.net, Asp.Net, MSSQL 2008, SSIS, Oracle, MySQl, SQLite, Flash As3, Flash As2, Flash Papervision 3d, PHP, Photoshop CS4

Responsibility:

- Requirement analysis, dealing with clients, Cost analysis.
- Desktop/Web application development, Designing, Development and Database.
- *Graphical Data validation for Windmill tower* is a data validation and report generation software for Windmill tower. This application use **ZedGraph** to draw graph and was developed using **C#.net** and **MSSQL 2008**. This application is **highly secure** and can run only in specific machine for which it was developed.
- *Entrance preparation Software for Engineering and Medical Students* is a question answering software designed for students of Engineering and Medical Students. The software was developed in **C#.Net 4.0** and **SQLite** as database. **LATEX** for .Net was used to write questions and for complex writing such as Chemical formula and equations, Mathematical equations, integrations and summation etc. The application is highly interactive, uses graphics and images and generates report using **Crystal Report** after each test or practice. The software is **highly secure** and strictly requires CD in CD-Rom to start the application.
- *Web version Entrance preparation Software for Engineering and Medical Students* is a question answering software designed for students of Engineering and Medical Students. The software was developed in **VB.Net 4.0/ASP.Net** and **SQLite** as database. The web-application is installed in the web server in intranet and accessed within the network of Entrance preparation institution**.**
- *Flash E-Shopping* site (formally www.yorozu.jp) was developed in **Flash** and **Flash Action Script 3.0**.
- Maintenance of **E-commerce** site for selling property using **PHP**.
- *Flash 3D Image gallery* was designed using **Papervision 3D library** and **Flash Action Script 3.0.**
- Network administration.
- Backup and restore data and database.
- **NUnit** testing and **SVN subversion** control.

Nov 2007-
Mar 2009

.Net Application Developer

ByproxyNepal Pvt. Ltd (http://www.byproxy.nl)

Tools: VB.net, C#.Net, Asp.net, SSIS, MS SQL 2005

Responsibility:

- *Byproxy CMS* was a.Net based CMS developed in **VB.Net**
- Maintenance and Features addition in *Proximit dealerdesk*. This application was developed in **VB.Net** and use **MSSql 2005** for database. Maintenance required access of Remote Machine using **Remote Desktop** and **VMware**.
- *Dealerdesk Print Module* was developed in **C#.Net** and integrated in Proxymit dealerdesk.
- *NVI Biosafe* is a Document management system designed in **VB.Net** and **MSSQL 2005** with hierarchical user roles.
- *NVI Survey* is a question answer survey developed in *VB.Net framework 3.5*.
- *Proximit Survey* is a **classic ASP** application for survey and report generation.
- *Peugeot PDA Application* was developed for **Windows Mobile 6.0** using **VB.Net** and **MSSQL Compact 3.5**. Data is synchronized with Proximit Dealerdesk database using Internet.
- Router, Database and Application server, Network and Printer Management.
- **SVN subversion** control.

2010-2011	**Masters in Computer Science**
(**Distinction**)	University of Bedfordshire, Luton

Module project: *Online Flight Booking System*

An online flight ticket booking system developed in **.Net Framework 4.0 (c#.Net/vb.net), MSSQL 2008** and **Microsoft Business Intelligence (SSIS)**. An e-commerce website with PayPal payment system.

Dissertation: *Face Recognition system using artificial neural network*

(Thesis topic: **Comparison of robustness of PCA and ICA based Face Recognition System using Artificial Neural Network**)

Face recognition system is a simulation project for the comparison of robustness or efficiency of two different data reduction techniques (PCA and ICA) using Multiclass and Pairwise Neural networking. Thousands of training faces have been fed to the system for training and the images are matched to test samples to measure the correctness of face recognition. Simulation had done using **MATLAB** and Artificial Neural networking toolkit.

2003-2007	**Bachelor of Engineering in Computer Engineering**
(**3.26 CGPA**)	Kathmandu University, Nepal

Module project:

- *Drug management system* is the resource management and accounting software for drug dealers and retailers. This software was the course project of Database System and was developed in **.Net framework 3.0 (VB.Net)** and **MSSql 2005**. Reports are generated using **Crystal Report**.
- *Meltmx Player* is the mp3 player with playlist management feature developed in **VB 6**.
- *Simple Spreadsheet* is the lightweight **EXCEL spreadsheet** software for creating and editing excel spreadsheet. This software was developed in **VB.Net**.
- *Hangman* was project of Human Computer Interaction developed in **JAVA**. This graphical eye catching game use **xml** to store question answers and save high scores.
- *KUCC Messenger* was project of Networking and developed in **JAVA.** This was multi-threaded server-client based messenger system.
- *Rubic Cube* was 3D game developed as a course project for Computer Graphics and was programmed in **C++** using **OpenGL** library.

Capstone project(Final year project): *Dialog Based Expert System for Vaccines and Immunization Information*

Dialog based expert system is a decision making expert system for vaccines and immunization for children which is localized in devnagari (Nepali/Hindi script) script using **Unicode UTF-8**. The system was developed in **JAVA**. The localization library was developed in **C++.** The knowledge base was designed in **PROLOG**. **JNI** is the interfacing tool for JAVA and C++. **JPI** was used for JAVA and Prolog interface.

2001-2003	**Higher Secondary Education in Science (10+2)**
(**First Division**)	Siddhartha Vanasthali College, Nepal

2001	**School Leaving Certificate**
(**First Division**)	Siddhartha Vanasthali Institute, Nepal

2012	**K2 Solution Professional**
2012	**ITIL Apollo 13 Simulation**
2005	**Diploma in repairing of SMPS and Monitor**.

C.T.C. Computer Institute, Kathmandu, Nepal

Descriptions: SMPS, Monitor, UPS and Printer repairing. Total duration of the course was 110 hours.

2001	**Proficiency in Office Application**

College of Software Engineering, Kathmandu, Nepal

Descriptions: Computer fundamentals.

Other Projects

- **LED Matrix to display Text**
  Tools: Raspberry Pi, Raspbian Linux, PHP, JAVA, JSP, Apache Axis, Apache Tomcat
- **Phone Tracker for Android**
  Tools: Android 4.1/4.2/4.3/4.4, Ubuntu, Eclipse, Raspberry Pi, Raspbain Linux, Apache Axis, Apache Tomcat, MySQL
- **Mass Messaging System**
Tools: C#.Net, XML

A simple *Multi-Threaded* online messaging system which runs in windows background and displays messages or run specific application on scheduled time according to the information available in online in XML format. This application can be used to broadcast pre-scheduled messages or notice in an organization.

- **File Encrypt**

Tools: C#.net

A file encrypting tool developed in **C#.net** using SH1 Encryption. Password is required to decrypt the protected file.

- **Image Grabber** (Winform and Web)

Tools: C#.Net, MSSQL 2008, Web Handler, Asp.net

Pictures/wallpaper grabbers from website, which crawls into image gallery websites and downloads pictures and save in database. This application is desktop based application and developed in **C#.net.** A web application was developed in **asp.net** using **VB.net** as programming language to browse saved images.

- **Network File transfer**

Tools: JAVA

Network file transfer is a server-client architecture file transferring tool developed in **JAVA**.

- **Flash 3d Photo Gallery** (http://sanjeebojha.com.np/gallery.php)

Tools: Adobe Flash CS5, Flash Action Script 3.0, Flash Papervision 3D, XML

- **Javascript Photo Gallery** (http://www.sanjeebojha.com.np/galleryajax.php)

Tools: Javascript, JQuery, XML

- **Facebook Web Application for stylish status updates**
  (http://www.sanjeebojha.com.np/projects.php)

Tools: PHP, PHP Facebook API

- **Facebook Desktop Application for stylish status updates**
  (http://www.sanjeebojha.com.np/projects.php)

Tools: C#.net, Facebook .net API

Awards and Honors

- *First* position in **E-Card Competition** organized by Kathmandu University Computer Club on fourth year, second semester.
- *First* position in **E-Card Competition** organized by Kathmandu University Computer Club on second year, first semester.
- **Executive Member** of Kathmandu University Computer Club for the year 2005/2006.
- **Event Coordinator** for Kathmandu University Computer Club **Software Meet 2005** held on 4th March 2005.
- **Instructor for Java class** organized by Kathmandu University Computer Club, held on 10-18th Nov. 2005.
- **Instructor for Hardware Class** organized by Kathmandu University Computer Club, held on 7th Sep. 2005.
- **Exhibitor and developer** for the project **Meltmx Planet V2** for **CAN INFO Tech 2005**.
- **Exhibitor and developer** for the project **Meltmx Planet V2** for **KUCC Software Meet 2005**.
- **Participation** on **Seminar** entitled "**Digital Signature- Prospectus and Challenges in Nepal**".

Interests and Hobbies

Photography, Music, Movies, Computer Games, Playing guitar, Cycling and bikes, Travelling, Surfing Internet, Reading technology magazines.

Note: Latest CV is also available in my web site www.sanjeebojha.com.np .