**ANISH MAN SHRESTHA**

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**.NET DEVELOPER**

Accomplished .NET developer with 4 years of experience building high-performance Web applications tailored to business needs. Adept at translating requirements into feasible technical specifications. Proven ability to manage the complete software development lifecycle to produce high-quality deliverables. Committed to driving software quality improvement through new features, leading-edge technologies, and performance tuning.

**CORE COMPETENCIES**

.NET Programming • Web Application Programming • Requirements Gathering • Database Design

Agile Methodologies • User Interface Design • Process Automation • Design Patterns

**Languages:** C#, C, C++, Java, Python

**Web:** ASP.NET MVC, ASP.NET, ASP.NET WEB API, SignalR, LINQ, JQuery, AJAX, JavaScript, HTML5, CSS, MVVM, KnockoutJS, AngularJS, KendoUI, Bootstrap, JQueryUI

**Web Services:** Web API, WCF

**Web/App Servers:** IIS (Internet Information Services)

**Databases:** MS SQL Server, MySQL

**Design Patterns:** Singleton, Adapter, Factory, MVC, Façade, Chain of Responsibility, Repository and So on.

**SDLC:** Agile, Waterfall

**Tools:** Visual Studio, MS SQL Server, StarUML, LinqPad, Fiddler, Eclipse, Scene Builder, MySQL Workbench, Selenium IDE, Entity Framework, ADO.NET, NCrunch, NUNIT, Resharper, Gitflow for Git Workflow, Log4Net, WEKA, Jira, Asana, TFS, SVN, Source Tree, Git Bash

**Platforms:** Windows

**EXPERIENCE**

**GROWBYDATA SERVICES PVT. LTD., Lalitpur, Nepal & United States**

**15th September 2014 - 8th January 2016**

**Software Engineer**

GrowByData provides solutions for Big Data Analytics, Data Entry and Catalog Management. It provides full-service product information management (PIM) solution for growing e-tailors. The project **Universal Data Hub (UDH)** is sophisticated **PIM software** which brings the client vendor product data to one central location called Data Hub for data analysis, data enrichment and data entry. UDH integrated with client website, marketplaces and key vendors.

**Responsibilities**

* Contributed to front-end and back-end design of the Universal Data Hub (UDH) flagship product, with involvement in creating the vendor and import source modules, pricing module for products of different vendors.
* Delivered a dynamic, flexible user interface. Authored unit test cases for controllers, services, and repositories.
* Designed and developed the application using **ASP.NET MVC, C#** architecture.
* Analyze product availability using **Web RESTful API** integrated with Universal Data Hub.
* Improved design through **Factory, Chain of Responsibility, MVC, Repository, Unit of Work, and Inversion of Control patterns**.
* Developed the UI using **Razor views**, and **Knockout.JS**, Introduced an Excel-type user interface using **HandsonTable.JS** and complete exposure to a functionality of UI grid **DataTable.JS**.
* Shortened load time of inventory data from minutes to seconds by **optimizing EF-queries**, using paging in SQL stored procedures, and using lazy loading for dropdowns using **Select2.JS**.
* Enabled real-time notifications and graph display with **SignalR** Technology.
* Identified and gathered the requirements and defined the business rules to user requirements in **Software Development Life Cycle (SDLC).**
* Localized the application for multiple languages and locations.
* Uploaded CSV vendor files; handled Data-Cleansing and database storage, with acceptable data exported to Amazon, Yahoo, and other e-commerce sites using APIs provided.
* Worked on **Agile Methodology** to meet timelines with quality deliverables.
* Responsible for developing **RESTful WEB API** to exchange data between client website and UDH.
* Implemented a separate data filter engine using **LINQ** and created data entry web applications, with **LINQ to SQL** CRUD operations.
* Intensively used Cascading Style Sheets (**CSS**) and **HTML** to design look and feel of the web pages.
* Implemented input validation using the **ASP.NET MVC** Input Validation Controls and Worked on role based authorization and page based authentication and **ASP.NET Core Identity**. Worked with Client-Side input validations by using **JavaScript** functions.
* The backend, database connectivity modules were designed using **ADO.NET Entity Framework, ADO.NET** with **SQL Server** **2012** as the database.
* Designed and developed the database in SQL Server and Created **Views, Triggers** and **Stored Procedures** for product management and data services.
* Implemented **Test Driven Development (TDD)**.
* Used **Bulk Import** **in SQL Server** to import CSV file to SQL Table.
* **Performance Tuning** in SQL Server with the help of **SQL Server Profiler** and **Indexes.**
* Implemented application controlled **SQL Server Jobs** creating and scheduling.
* Used **GIT**, **GIT Bash**, **Source Tree, GITflow** for Software Configuration Management.
* Used **Jira**, **Asana** for the Project Management.

**Environment:** .NET Framework, Visual Studio 2015/2013, C#, ASP.NET MVC, ADO.NET Entity Framework, LINQ, SignalR, ASP.NET Core Identity, AJAX, JSON, T-SQL, SQL Server 2012, SQL Server Profiler, GIT, XML, HTML, IIS 8.0, JavaScript, JQuery, KnockoutJS, CSS, Windows Server, Jira, Asana

**INCESSANT RAIN ANIMATION STUDIOS (P.) LTD., Lalitpur, Nepal**

**11th March 2012 - 9th September 2014**

**Software Developer**

Supported launch of a major IT product for the company by overseeing full-stack design and development of the ASP.NET MVC based Incessant Asset Production Tool (IAPT). Also delivered **ERP software** such as Daily Reports and Leave Management, and various other projects such as a web API for Maya plugin developers, new feature design, bug fixes, and user interface development. Authored and executed unit test cases for controllers, services, and repositories.

**Responsibilities**

* Designed and developed applications using **ASP.NET MVC, ASP.NET and SQL Server 2012**.
* Developed UI using **Telerik, KendoUI, Razor View Engine, JavaScript,** and **JQuery**.
* Streamlined maintenance of different file versions in FTP servers with various folders in application IAPT – Incessant Animation Production Tool.
* Introduced the ability to track the status of multiple animation projects in IAPT, with reports on project state.
* Implemented various design patterns like **Factory, Abstract Factory, Proxy, Template, Façade, Repository, MVC** etc.
* Ensure dynamic UI component generation from database data.
* Created login-based members area that displays **ASP.NET MVC** view pages based on access levels and assigned Roles.
* Code optimization using Thin Controller concept which helped for **Test Driven Design (TDD)**.
* Implemented the user cases to each module.
* Implemented **Text Template Transformation Toolkit** (usually referred to as "**T4**") to generate strongly-typed Razor view code in Visual Studio.
* Implemented data access layer using **ADO.NET, ADO.NET Entity Framework** to access the database.
* Programmed bulk email functions with **MVC Mailer** technology based on animation project status.
* Collaborated with cross-functional teams and developed large and small scale web/database applications using **ASP.NET WEB API**.
* Used **Team Foundation Server (TFS)** for Software Configuration Management.
* Performed Unit testing using **NUnit** and prepared required documents for testing.
* Worked with .NET Framework User controls, Web controls List controls, Master Pages, and Data controls in ASP.NET for the web forms.
* Used **Log4Net** for debugging, tracking and logging the application.
* Implemented **Dependency Injection / Inversion of Control** using **NInject**.
* Implemented **queries, views, trigger, stored** **procedures** in **SQL Server** and application query optimization with **profiler tool** of SQL Server.
* Used **Jenkins** for the Continuous Integration and automate the project deployment.
* Designed and implemented **Web services** to access the SQL Server database.

**Environment:** ASP.NET MVC, ASP.NET, RESTful WEB API, WCF, SQL Server, TFS, Log4Net, NUnit, NInject, MVC Mailer, ADO.NET, ADO.NET Entity Framework, Jenkins**,**  JQuery, JavaScript, Telerik, KendoUI, Bootstrap, WCF, T4 Template, TDD, JSON, XML

**CERTIFICATION**

1. Completed 100 hours course entitled **C#.Net, MS SQL Server 2005**, held from 16th Dec 2011 to 17th Feb 2012 from **Osish Language and Computer Center**
2. **Algorithmic Toolbox**, Coursera Course Certificates, *License: SUTCUJLB23X5*

[https://www.coursera.org/account/accomplishments/certificate/SUTCUJLB23X5](https://www.coursera.org/account/accomplishments/certificate/SUTCUJLB23X5" \t "_blank)

Completed using **C#** Language

Github: [https://github.com/Anish-Shrestha/Algorithm-Toolbox](https://github.com/Anish-Shrestha/Algorithm-Toolbox" \t "_blank)

1. **Front-End JavaScript Frameworks: AngularJS**, Coursera Course Certificates, *License: 5B4FENGB45T4*

<https://www.coursera.org/account/accomplishments/certificate/5B4FENGB45T4>

1. **Server-side Development with NodeJS**, Coursera Course Certificates, *License: 9KB4RXSHCAAD*

<https://www.coursera.org/account/accomplishments/certificate/9KB4RXSHCAAD>

1. **C# Programming - Coding with C# Syntax**, ALISON-Free Online Learning, *License:*[*909-6665589*](tel:909-6665589)
2. **Introduction to C# Programming**,  ALISON-Free Online Learning, *License:*[*908-6665589*](tel:908-6665589)

**ACADEMIC PROJECTS**

* **Dormitory Management System, Maharishi University of Management:** Created a desktop application designed to provide dormitory management functions, with student allocation and enrollment / exit data, assignments, changes, notifications, and a discussion area. Built on Eclipse IDE with MySQL for the back-end database.
* **Ebazaar, Maharishi University of Management:** Developed a web application for online shopping store which has the functionality of buying goods, pricing, add to cart, shipping and checkout. Implemented DAO pattern, Callback pattern, Singleton pattern, Façade pattern, and MVC pattern.
* **Check-In Check-Out Framework Development, Maharishi University of Management:** Developed check-in check-out framework using Java. Implemented Proxy pattern, Singleton pattern, Factory pattern, Iterator Pattern, Adapter pattern, Chain of Responsibility pattern and Template pattern.
* **Movie Recommender System, Maharishi University of Management**: Developed a movie recommendation system for the users based on their previous rating history. Used Scala, Spark, Hive and Hadoop.

**EDUCATION**

**Master of Science in Computer Science**

*(In progress via distance education; expected completion October 2018)*

Maharishi University of Management, Fairfield, Iowa

***Key Courses:*** *Fundamental Programming Practice, Modern Programming Practice, Web Programming, Software Engineering, Advanced Software Development, Big Data*

**Bachelor of Electronics & Communication Engineering**

Cosmos College of Management & Technology, Lalitpur, Nepal

**AWARDS**

Certificate of **Academic Excellence** in Bachelor of Electronics & Communication Engineering ***(Grade: 3.85 out of 4)***

National Robotics Competition 2013: Robo Racer – 1st Position