**Anish Man Shrestha**

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**Summary**

* Having 4 years of IT experience in software design, analysis, development, testing and implementation of high-performance applications tailored to business needs.
* Designed, Developed and deployed Highly Interactive Web Application & UI using ASP.NET MVC, C#, ASP.NET, WEB API, WCF, LINQ, JavaScript, Telerik, KendoUI, Bootstrap, AngularJS, KnockoutJS and JQuery.
* Proven ability to manage the complete Software Development Life Cycle (SDLC) to produce high-quality deliverables.
* Experience implementing Gang of Four Design patterns such as Singleton, Abstract, Facade, Factory, Adapter, Chain of Responsibility.
* Committed to driving software quality improvement through new features, leading-edge technologies, and performance tuning.
* Experience with Repository Pattern, Dependency Injection (DI) / Inversion Of Control (IOC)
* Implemented data retrieval and manipulation using ADO.NET data objects and ADO.NET Entity Framework Object Relation Mapping (ORM).
* Experience in Object Oriented Analysis and Design (OOAD) programming and .Net Architecture.
* Experience in Agile Software development method such as SCRUM.
* Pretty good experience designing and Developing WebForms (ASP.NET) and WinForms using C# Languages.
* Development Experience also includes database related work primarily using MS SQL Server with also other RDBMS servers like MySQL.
* Created and Implemented Functions, Stored procedures and Triggers using Transact SQL.
* Experience with various Software Configuration Management (SCM) Tools like Team Foundation Server, GIT, Gitflow for Git Workflow, GitHub, BitBucket, Source Tree, Git Bash and SVN.
* Experience with different project management tools like Jira and Asana.
* Experience with Test Driven Design (TDD) and unit testing using NCrunch and NUnit.
* Experience with real time data display using SignalR technology.
* Experience with logging services for purposes of application debugging and auditing like Log4Net
* Experience with website data scrapping, mining twitter data using Python.
* Excellent team player with problem-solving and trouble-shooting capabilities.
* Excellent communication and interpersonal skills.
* Major strengths are familiarity with multiple software systems, tools and the ability to learn quickly new technologies and adapt to new environments.

**Technical Skills**

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| .NET Technologies | ASP.NET MVC 5/4/3, ASP.NET, RESTful WEB API, WCF, ADO.NET Entity Framework, ADO.NET, Web Forms, WIN Forms, LINQ, SignalR |
| Web Technologies | ASP.NET MVC, Razor View Engine, AJAX, HTML, CSS, KnockoutJS, AngularJS, JSON, XML, Telerik, KendoUI, Bootstrap, JQueryUI. |
| Programming languages | C#.Net, JavaScript, JQuery, C, C++, Java, Python. |
| Database | SQL Server 2012, SQL Server 2008 R2, MySql. |
| Development Environment | Microsoft Visual Studio 2015/2013/2012/2010/2008, .NET Framework  4.0/3.5/3.0/2.0, SQL Server Management Studio, MySql Workbench. |
| Project Management Tool | Jira, Asana, Redmine |
| Version control | Team Foundation Server TFS, GIT, SVN |
| Platforms | Windows |
| Servers | IIS8, IIS7.5, IIS 7.0, Apache Tomcat, Glassfish. |
| Testing | NUnit , NCrunch, Selenium browser plugin. |
| Other Tools | LinqPad, Fiddler, Weka, StarUML, Eclipse, NetBeans, Resharper, Firebug, Jenkins |

**Certifications**

**Algorithmic Toolbox**, Coursera Course Certificates, *License: SUTCUJLB23X5*

**C# Programming - Coding with C# Syntax**, ALISON-Free Online Learning, *License: 909-6665589*

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

**Project Summary**

**GrowByData LLC**  September 2015 - January 2016

**Software Engineer**

GrowByData is leading innovation startup in big data technologies. It 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 of UDH using Razor views and **Knockout.JS**, Introduced an Excel-type user interface using **HandsonTable.JS** and complete exposure to 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.
* 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 **Membership**. Worked with Client-Side input validations by using **JavaScript** functions.
* Extensive Use of **Session Management**, **View state** and **Cookie(s)** to maintain state in the applications.
* 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.
* 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 5/4, ADO.NET Entity Framework, LINQ, SignalR, AJAX, 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 Studio March 2012 – 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 key products 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. Developed MS SQL tables, stored procedures, and views.

**Responsibilities**

* Designed and developed applications using **ASP.NET MVC, ASP.NET and SQL Server 2008**.
* 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.
* Expertise in **Telerik** and **kendoUI** as used various UI components for developing web applications. Like used **Scheduler** for displaying leave schedule in project Leave Management System, **Grid View** for displaying data in grid and filter it, different **Graphs** for data analysis.
* Introduced the ability to track 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, MVVM etc.**
* Ensured dynamic UI component generation from database data.
* Code optimization using Thin Controller concept which helped for **Test Driven Design**.
* Implemented the user cases to each module.
* Implement **Text Template Transformation** **Toolkit** (usually referred to as "**T4**") to generate strongly-typed 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.
* 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.
* Designed and implemented **Web services** to access the SQL Server database.
* Created login-based members area that displays **ASP.NET MVC** view pages based on access levels and assigned Roles.

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

**Education**

**Master of Science in Computer Science**

(From January 2016, 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 (August 2009 – January 2014)**

Cosmos College of Management & Technology, Lalitpur, Nepal

**Awards:** Certificate of Academic Excellence in Bachelor of Electronics & Communication Engineering

**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.

*References are available upon request*