

## **PROFESSIONAL SUMMARY**

Software Developer with 4+ years of experience in C#, Microsoft .Net Framework, and Visual Studio on designing, developing and maintaining web and windows based applications. Microsoft Certified Specialist

### **Key Skills**

- Experience in Enterprise Web Application Development using ASP.NET technologies and windows-based application development using object-oriented design patterns in C#.
- Experience in writing complex Stored Procedures, Joins T-SQL queries, Performance Tuning, Physical and Logical Database Design and Triggers.
- Hands-on software design and implementation with an emphasis on modularity, interoperability, and reusability.

**Languages:** C#, C++

**IDE:** SQL Server BI Development Studio (BIDS), SQL Server Management Studio 2005/2008 R2/2012/2014, Microsoft Visual Studio 2015/2013/2012/2010

**Web Technologies:** RESTful Web API, Web Services, WCF, Web Forms, ASP.NET MVC, ADO.NET, IIS

**Front-end Technologies:** HTML5, XML, JSON, CSS3, Bootstrap, Java Script, jQuery

**Databases:** MS SQL Server 2005/2008/R2/2012/2014, MySQL, SQL Query Analyzer, SQL Profiler

**Version Control:** Team Foundation Server (TFS), Git

**SDLC:** Agile, Waterfall

**Design Pattern:** Structural, MVC, N-Tier

**Frameworks:** Microsoft .NET, Entity Framework

**Testing Tools:** N-Unit, MSTest

## **PROFESSIONAL EXPERIENCE**

### **.NET Developer**

**Dec 2015 – Present**

**EDMONIA IT SOLUTIONS, Addis Ababa, Ethiopia, Addis Ababa, Ethiopia**

*IT solutions company specializing in website development and hosting and security, and ICT consulting.*

- Created use case diagram, class diagram, activity diagram and sequence diagrams, page flow diagrams using UML technologies.
- Developed core functionality of Learning Management project with ASP.NET MVC Framework (C#.NET)
- Hands on experience with software Development Lifecycle (SDLC) phases (Feasibility, Analysis, Design, Implementation, Test and Maintain) involved in development.
- Worked in a fast paced Agile Development Environment SCRUM, Test Driven Development.
- Implemented test classes and re-factoring using C# Defensive Coding approach
- Authored a number of queries using LINQ and Lambda Expression.

### **SQL/.NET Developer**

**July 2013 – Nov 2015**

**UNITED NATIONS ECONOMIC COMMISSION FOR AFRICA, Addis Ababa, Ethiopia**

*International Non-Governmental organization is one of the five regional commissions of the United Nations with 53 African nations' member states focusing on African social and economic developments.*

- Developed modules for Record and Archives Management Project undertaken by the commission using C#, ASP.NET MVC, SQL Server 2008 R2, Visual Studio 2012, ADO.NET, XML, JavaScript, AJAX, CSS, HTML technologies.
- Developed ECA publications management Web Services using Windows Communication Foundations.
- Used Session Objects to keep track of session and security attributes built in ASP.NET MVC Framework.
- Developed and Maintained Web Forms with ASP.Net and C#.Net.
- Used bootstrap, CSS3, HTML and JavaScript to Customize the organization official Intranet Website
- Extensively applied agile scrum methodology throughout the project life time.
- Designed, implemented & maintained Relational Database Models, Databases, Schemas and Tables using Object Oriented design principles.
- Improved the performance of database queries and applications by creating well designed Indexes.

- Strong experience in data retrieval and manipulation using ADO.NET data objects such as Dataset, Data Reader, Data list, Data Adaptor.
- Created Stored Procedures, Triggers for processing, maintenance of the database, joins for retrieving data.
- Created SSIS/ETL Packages for an application that would transfer data among servers and perform other data transformations using SQL Server BI Development Studio.
- Used Automated Unit Testing with NUnit and MS Unit.

#### **Website Developer / Web Hosting Admin**

**Feb 2011 - June 2013**

#### **Infinite Dimensions Software Development Company, Addis Ababa, Ethiopia.**

*Private IT Company based in England dedicated in web, app development and hosting services*

- Handled client web maintenance and upgrade service request via ticketing system.
- Developed CMS application using .NET 2.0, Master Pages, ASP.NET AJAX, Java script, XML, CSS, and HTML tools
- Used scripting technologies like JavaScript/JQuery and CMS to develop dynamic websites.
- Managed all aspects of Web design projects for diverse clients;
- Coordinated Web development from initial concept through completion including Web hosting, design, administration, and functionality testing.

#### **Lecturer and Database Developer**

**Feb 2007 – Sep 2009**

#### **Wolaita Sodo University, Wolaita Sodo, Ethiopia**

*A Governmental University offering education and research*

- Designed, implemented & maintained RDBMS, Database Schemas, Tables, Queries, Stored Procedures, User Defined Functions, Triggers, Constraints, Indexes, Views and Complex SQL Statements for the development of the University Registrar System.
- Fine-tuned database objects and developed complex reports using SSRS 2008.
- Taught Computer Science courses such as .NET Technologies, Algorithm Analysis, Artificial Intelligence, HTML, JavaScript.
- Advised students from small to large scale projects

#### **OTHER PROJECTS**

- Designed and implemented incoming and outgoing Mail Tracking Application using ASP.NET MVC 4 and SQL Server 2008.
- Developed a Machine Learning/AI Model using Latent Semantic Analysis, with C# for pre-processing and python to generate the semantic matrix. The published results and algorithm is available in Amazon.  
<https://www.amazon.com/Automatic-Essay-Scoring-Implementation-Semantic/dp/3848414651>

#### **CERTIFICATIONS**

- Microsoft Certified Specialist (MCS), Programming in C# with Microsoft Visual Studio Microsoft Certified Professional.
- Microsoft Certified IT Professional (MCITP), Querying Microsoft SQL Server 2012/2014  
<http://www.mycertprofile.com/Profile/5936440664>

#### **EDUCATION**

#### **Master of Science (MSC) in Computer Science**

**Oct 2009 – Jan 2011**

Addis Ababa University

Ranked 1's Best University in Ethiopia/ (Equivalence to Master's Degree according to World Education Service)

#### **Bachelor of Science (BSC) in Computer Science**

**Feb 2003 – July 2006**

Hawassa University (formerly Debub University)