GAGAN MUDVARI

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SUMMARY

➢ Software Engineer with **4+ years** of Professional .Net Development experience in all phases of **SDLC** (Software Development Life Cycle) such as **planning**, **analysis**, **design**, **implementation**, testing and maintenance of Web Based and N-tier Architectures in domains like **Finance**, **Insurance**, **Healthcare**, IT using Methodologies Like **Agile** (Extreme Programming, Scrum), **Waterfall Model** and **Test-Driven Development TDD**.

➢ experience in design using **Object Oriented Programming** Principles like **Encapsulation**, **Inheritance**, **Polymorphism**, reusability and Design patterns like Abstract factory, Singleton, Object pool a standard solution to common problems in software design.

Web Development with Django

- Django (Models, Views, templates, urls, forms and many more. . .)
- Class Based View
- Django REST API
- Working with PostgresSQL, SQLite and MySQL

➢ Worked extensively with **ADO.NET** objects such as **Data Adapter**, **Dataset**, and **Data Reader** to interact with databases like **SQL Server** 2012/2016 & Oracle 10g/11g.

➢ Experience in database related work primarily creating complex **stored procedure**, **Views**, **Triggers**, **Functions**, using **PL/SQL**, **T-SQL**.

➢ Experience with **ASP.NET**, **ASP.NET MVC** and its components: AJAX, Entity Framework, Language-Integrated Query (LINQ) query and retrieve data from different data sources (LINQ to Objects, LINQ to XML, and LINQ to SQL), ASP.NET Providers and Typed Datasets.

➢ Responsible for developing the Logic using **C#.NET.**

➢ Good experience in developing n-tier **Web Applications** and worked with **IIS 9/10/11**.

➢ Extensively used **ASP.NET**, **HTML**, **CSS** and Web controls for developing front end screens.

➢ Implemented **Business Logic** using C# and **Data Access Layer** using ADO.NET.

➢ Suggested various design changes in **SQL Server tables** and **Stored Procedures**.

➢ Used **ADO.NET** for database connectivity on **SQL Server Database**.

➢ Successfully handled all the change requests, code defects and Data Configuration Bugs.

➢ Hands on experience in **Unit testing**, **Integration testing** & **Functional testing.**

SKILLS

Programming Language	Python, C, C#, JavaScript, TypeScript, T-SQL, PL/SQL
Web Technology	Django, Flask, Tkinter, DotNET Framework, HTML5, CSS3, jQuery, ReactJS, VueJS, ASP.NET, Angular2/4/6, LINQ, ADO.NET, Entity Framework, Bootstrap, AJAX, Razor, SharePoint
Database	SQL Server, Oracle 11g, MySQL, PostgreSQL, SQLite, Cassandra
Cloud Services	Microsoft Azure, Amazon Web Services
Data Analytics, Visualization & Reporting Tools	Data Analysis with Pandas and Numpy and Introduction to Machine Learning SSIS, SSRS, SSAS, QlikView, Qlik Sense, MSBI
Web Services	SOAP, RESTful, WCF, Web API
Version Control	TFS, GIT, SVN
Architectures & Methodologies	Scrum, Agile Methodologies, MVC, MVVM, MVP, Design Patterns

Testing Framework	Unit Testing, Load Testing, Telerik, Win-Automation, Leapwork, Softomotive
Others	XML, JSON, Postman, Fiddler, Balsamiq Mockups (UI/UX), UiPath RPA, IIS
Queue Services	MSMQ, RabbitMQ, SQS, Kafka

EDUCATION

➢ Masters in Computer Science (Software Engineering),
  Oklahoma Christian University;
  Graduated: Aug 2018;
  GPA: 3.25

➢ Bachelors in Computer Science & Information Technology,
  Sikkim Manipal University;
  Graduated: Dec 2014

EMPLOYMENT

Client: **Midwest Cloud Computing, Omaha NE**   **Jan 2019 – Present**
Role: Full Stack .NET Developer
Description:

> Midwest Cloud Computing-MCC provides a large variety of products and services. It has been one of the major contributors to the global market in Business Application Development, Enterprise Content Management, Mobile Apps Development, platform hosting, network design and Collaborative banking Solution. Project was designed primarily to meet the organization's requirements for banking solutions. It is focus on customer site as well as banker site. Customer can easily fill, upload, fetch their information online. They do not have to go bank to fill required form and document. And the project many more regarding banking domain such as managing balance sheets, handling cash management, loan management, mortgage and many more.

Responsibilities:
- Developed and maintained web application, using **C#**, **ASP.NET**, **Web Services**, **WCF**, SQL Server 2016, **HTML5, jQuery, Angular 4, Web api and Ajax**.
- Create **ASP.Net MVC filters**, **actions**, **validations**.
- Implemented on **ADO.NET Entity Framework** to associate with database for **CRUD** operations. Worked on **LINQ** to Entities, **Lambda Expressions**, and **Object-Oriented Design Patterns**.
- Writing Software Requirement Specifications & Test cases, Object Oriented Analysis and **Design using UML** with Microsoft Visio 2017.
- Created the **Web API** controllers in ASP .Net MVC to build, maintain **Restful API's**, also consumed API's client side using **Angular 4** data binding.
- Designed and built middle layer and data access layer (Module based on NHibernate ORM framework) used with **ASP.Net MVC portal**.
- Development was done using **Agile methodology** with daily scrums, and continuous integration using the SDLC process to deliver higher-quality software far more rapidly.
- Created & hosted **Restful Services**, **Web services** and **Web API** also used different bindings to make it available to different types of clients.
- Designed **Graphical User Interface (GUI)** using **Master Pages**, **HTML, JavaScript and CSS classes**
- Used **jQuery** and **AJAX** to make the User Interface more responsive.

- Responsible for designing and developing the database objects like **Tables**, **Views**, and Complex **T-SQL Store Procedures** involving Joins and using Temporary Tables, UDF (**User Defined Functions)**
- Implemented **CRUD** functionality with **Entity framework** (**ORM**) in **ASP.NET MVC, MVVM** and implemented **sorting**, **filtering** and **paging** with **Entity framework in MVC**.
- Built a stored-procedure-as-a-service **microservice** that is generic: will take transaction name and parameters and spit out output or error from the database.
- Integrated **Angular 4, Angular 2** framework controls to support HTML Controls.
- Used **GIT** for source control
- Used **SSRS** to create reports, customized Reports, on-demand reports, ad-hoc reports and involved in analyzing multi-dimensional reports in SSRS.
- Created and tuning the database objects like complex **Functions**, **Packages**, **Triggers**, **Indexes** and Views in Development and Production environment for SQL Server. Developed Reports using **SQL Reporting Services** and implemented Optimized **SQL Stored Procedures**

Environment: Microsoft SQL Server 2016, Visual Studio 2012/2015/2017, C#, ASP.NET, MVC 5.0, MVVM, User Interfaces, HTML, JavaScript, Azure, DevOps, CSS, WCF, AJAX, Angular 4/2, Node Js, Entity Framework, LINQ, NUnit, XML, Microsoft Enterprise Library, Oracle 11g, IIS 7.5, GIT

Client: Oklahoma Christian University   **July 2017 - Dec 2018**
Role: Python/Django Developer
Description:

OC University has its own inhouse project. Had to work on completely education domain.

provides mission like the Plan, design, build and sustain a safe and reliable multimodal transportation and student/teacher panel system. The system is to manage/provides different information about student, teacher, subject and so on.

Responsibilities:
- Developed Front end web pages **HTML**, **CSS**, **JavaScript**, **jQuery**, **Ajax**.
- Using **Django/Python** as backend.
- Developed SQL server **Stored Procedures, Triggers, Views, and Cursors** for accessing the database.
- Designed windows mobile app to meet the requirements and to increase the ease of user.
- Involved in modifications to the **XML** requests and response as per the Business Requirements.
- Used in **Master Pages**, Web **User Controls** and **Custom Controls** in developing the frontend application and multi-thread web applications using C#.
- Worked on major modules like Users, Roles, Entities, Entity Types, and Reports and used **REST services** for requesting information from endpoints and tested them using **Fiddler**
- Initiate build and deploy applications to **UAT and QA Server**
- Identify and fix complex part in application within very short time period
- Implemented Custom Services and Custom directives along with Isolated Scope in **Angular** for re-usability.
- Managing, maintaining, developing and deploying applications and databases in response to business needs
- Developed and migrated application to **Windows Azure Cloud Platform.** And used Window **Azure** to **deploy** application on cloud and managing the **session**.
- Implemented MVT features such as **routing**, **controllers**, **action results**, **filter**, **model binders**, IOC container or dependency injection.
- Extensively created oracle packages to logically group ACL related variables, procedures and cursors in the oracle database.
- Suggest solutions to business problems of the product owners
- Responsible for reviewing work products and deploying the application to the QA environment
- Responsible for fixing bugs, trouble shooting, debugging issues in QA and Production server

Hi-Tech IT Solution, Kathmandu, Nepal   **July 2014 – Jan 2016**
Django/Python Developer

Description:

Hi-Tech IT Solution is one of the respected companies in Nepal's private sector. It has been one of the major contributors to the global market in Business Application Development, Enterprise Content Management, Mobile Apps Development and Collaborative eCommerce Solution. Project was designed primarily to meet the organization's requirements for loans that are classified as home mortgage loans as per the banks policy which covers the complete lifecycle of a loan process, from the point of loan origination, approval and to commitment letter generation.

Responsibilities:

- Worked on Software Development Life cycle (SDLC) starting from Requirements gathering and performing objects-oriented analysis, design and implementation.
- Experience in creating Single Page Application (SPA) and implementing MVC Design Pattern using AngularJs 1.x, Angular 2.x, TypeScript, jQuery and Bootstrap for styling of cross-browser compatible web page, in creation and execution of Unit testing and Integration Test using
- Worked on Agile Methodology and used TFS for issue tracking and configuration management.
- Created tables, stored procedures, views, functions and other database objects in SQL Server 2012, Used N-tier architecture for the Business, Data Access Layer and UI Layer.
- Involved in developing dynamic robust UI using AngularJs/Angular, HTML5, CSS3, and JavaScript for the web platform.
- Implemented the web application using Full Stack Microsoft Technologies and consumed RESTful Web Services based on MVVM Design Pattern, Integrate Google Cloud APIs into the application to analyse the styles of the cloth and arrange category to different cloth and looks, also integrated some other third-party APIs.
- Used Agile Development Methodology and used Scrum to manage Sprints every two weeks for the development process.
- Implemented caching mechanism in many places of the application.
- Worked on security issues related to user authentication and authorization.
- Designed all database tables in the initial stage of project.
- Designed and implemented Login, Registration, Payment, Bidding and Search modules using python/django
- Created various reports in Crystal reports, Used XML and XSL Transformations to display content on the website.
- Helped the Production Team and Testing Team in solving the complex issues

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Junior/Intern Programmer at Broadway Infosys, Kathmandu Nepal   (6 months)

- As a trainee, I gained the knowledge and skills required for software development. I mainly focused on Python/Django Framework and .net technologies such as ASP.NET, MSSQL and C# Programming also frontend HTML, CSS, JAVASCRIPT.

Junior Programmer at EraSoft IT Solution, Kathmandu Nepal   (6 months)

- As an entry level developer, I gained the knowledge and skills required for software development. I mainly focus on technologies such as Python, Django, HTML, CSS, JAVASCRIPT etc.

ACADEMIC/PROFESIONAL PROJECTS

- Event Planner (**Python, Django, MySQL, SQLite, SQL SERVER, JQUERY, HTML, CSS**)
- Personal Blog (**Python, Django, MySQL, PostGresSQL, JQUERY, HTML, CSS**)

- Shopping Cart (**ASP.NE**T **MVC**, **Angular**, **jQuery**, **AJAX**, **SQL**, **CSS**)
- Hospital Management System in **ASP.Net, HTML, CSS, JavaScript, MySQL**
- SCHOOL ERP MANAGAGEMNET SYSTEM **(WEB-BASED/WINDOW BASED/Python Tkinter)**
- WORKED ON ACOUNT MANAGEMENT SYSTEM (**SWASTIK SOFTWARE FOR ACCOUNT MANAGEMENT**)

Oklahoma Christian University (Final Project 1 & Project 2)

- As a computer science student under the supervision of Mr. Andy Harbert for Software Engineering, I focused on desktop-based system with c sharp and web-based application with Python/Django and ASP.NET. and also gained the knowledge of static program analysis to find vulnerabilities in source codes.

MISCELLANEOUS

- ➢ **Work Authorization:** STEM OPT EAD – H1B
- ➢ **LinkedIn:** https://www.linkedin.com/in/skyline097/
- ➢ **Language:** English, Nepali, Hindi