Gayathri Devi Andukuri

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# Professional Summary

* 15 years of experience in analysis, design and development of client/server, Web and Windows based applications. Expert in developing UI applications using **ASP.NET, MVC, Dot net Core, Web API** using Microsoft technologies.
* Experience in Design and developing complex web applications using **C# & VB, HTML5, CSS3. Asp.net, MVC, Web services, WCF, Web API, HTML5, CSS3, JavaScript, jQuery, JSON, Angular, Type script, React, AJAX, XML, SQL, SSIS.**
* Extensive experience in debugging tools Like Postman, Chrome Developer Tool.
* Competent in various Object Relational Mapping (ORM) technologies such as **Entity Framework 5/6 and LINQ to SQL.**
* Strong hands-on programming, design, understanding and deep functional experience in creating, deploying, and consuming of XML **Web Services, Micro services, REST Services and Web API.**
* Experience with OOP/OOD (**Object-Oriented Programming and Design**) like Inheritance, Polymorphism, Encapsulation and Design patterns like Abstract Factory, Singleton, in 3-Tier, N-Tier and Service-oriented architecture (SOA) applications.
* Querying, scraping, and transforming XML, **HTML, and JSON**.
* Experience in creating SAAS applications and products.
* Experience in developing **Azure Server less Functions**.
* Proficient and excellent hands-on in writing **SQL Queries, Stored Procedure, and triggers in SQL Server 2008/2012.**
* Experienced in building sophisticated distributed systems using REST/ web APIs.
* Extensive experience in developing web pages effectively **using jQuery, HTML5, CSS3, Responsive Web Design (RWD), Bootstrap.**
* Experience in using code versioning tools **TFS, SVN, GIT**
* Proficiency in Software Development Life Cycle (**SDLC**) and **AGILE** methodologies of the development process such as requirement analysis & definition, prototyping, proof of concept, designing, coding, testing and implementation.
* Worked as a Full Stack developer with both back-end and front-end technologies of web development
* Experience in Test Driven Development (**TDD**), Behavior Driven development (**BDD**) and writing unit test cases in **MSTest** and **NUnit** frameworks.
* Experience of working in **Scrum** Model of the **Agile** methodology and usage of **Jira, Confluence.**

# Education

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| --- | --- | --- | --- |
| **Course** | **Specialization** | **University / Institution** | **Year** |
| Bachelor of  Technology | Electronics & Communication | Jawaharlal Nehru Technological University,  Hyderabad, India | 2006 |

**Technical Skills**

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| --- | --- |
| .NET Technologies | .NET Core 6, .NET Framework 3.5/4.0/4.5/4.6/4.7/5, ASP.NET, MVC, Classic ASP, Entity Framework,C#, Window forms, AJAX, Java Script, Web Services, Web API, ADO.NET, XML, SOA, Unity Framework, IIS. |
| Languages | C#, VB, C++, PL/SQL, TSQL |
| Scripting and Markup | HTML5, JavaScript, TypeScript, Angular 8, Angular 12, Angular 13, Ajax, XHTML, CSS3, XML Schema, XPath. |
| Cloud Services | Microsoft Azure |
| Reporting Tools | Crystal Reports, SSRS, SSIS. |
| Databases | MS SQL Server,Mongo |
| IDE | Visual Studio 2022/2019/2017/2015/2013/2010, Soap UI |
| Version Control | GIT (Atlassian Bitbucket), SVN, TFS, and VSS |

**Certifications:**

* Microsoft Azure AI on Dec 8th 2022
* SAFE Agilist on Jun 14th 2018
* Microsoft Certified Application Developer on Jun 10th 2015

# Professional Experience

## Project : Novologix

**Period** : November 2021 to Till Date

## Client : CVS, US

**Position :** Technical Architect

**Location :** Greensboro, NC

**Company :** Tata Consultancy Services

## Description:

Novologix is a product SAAS owned by CVS which will be used by Insurance partners like Aetna, MVP etc with CVS as well as the providers at the other end in terms of placing a preauthorization request of a drug. The application also has claim processing for drugs. Novologix UI interface will vary for each insurance partner on what kind of info they need to process auth or claim, so the application is highly configurable and adaptable to each insurance partner/plans. It has admin tool where Insurance partners can config their own set of UI fields, Configurations, Authorization workflow rules etc.

## Responsibilities:

* Strategically architect, design, develop and implement efficient information systems and/or operating systems in support of core enterprise functions.
* Study the existing application landscape to identify redundant/ineffective systems.
* Conceptualize technical solutions to complex problems and maximize benefit of IT systems investments.
* Designing, implementing, and coordinating the development, installation, integration of Application Framework.
* Development, Installation, integration of Application Framework and development of Automation Programming as per requirements using **.net Core, ASP.net, MVC, Web API, C#, Java Script, jQuery**, **HTML5, CSS3, Angular, Type Script**
* Created application to move the created Auths to Elastic search environment
* Created windows application to maintain Admin data using windows forms and C#
* **SQL Database design**, maintenance, and performance tuning, developing SQL queries/scripts, stored procedures using SQL Server 2008.
* Implementing Client-side validations using jQuery, JSON and ASP.NET MVC Validation implemented at Controller level.
* Developed rich and interactive UI using **CSS, JavaScript, Ajax, Angular**
* Responsible for transforming designed mock-ups to web pages.
* Performed Unit Testing and running the test case to proper functioning and for code coverage.
* Provide solutions for optimum performance of applications and find out the causes for existing performance issues.
* Coordinate with business users and various teams in requirement gathering, analysis, design, development, and implementation.
* Peer code reviews, performance tuning, Unit test case development and integration testing.
* Deployed code to QA/UAT/PROD using Azure CI/CD process.
* Responsible for implementing application in production, post production checks and fixing the defects reported if any.

**Environment:** C#, VB, ASP.Net 4.5, MVC, HTML5, CSS3, JavaScript, jQuery, Visual Studio 2017, SQL Server 2011, Angular 12, Angular 13, Azure

## Project : Quill.com

**Period** : August 2018 to Dec 2019 in Chennai, India

Jan 2020 to Oct 2021 in Lincolnshire, IL, USA

**Client Name : QUILL, USA**

**Position :** Technical Lead & Technical Architect

**Location** : Chennai, India & Lincolnshire, IL, USA

**Company :** Tata Consultancy Services

## Description:

**Quill.com** headquartered in Lincolnshire, IL, Quill.com serves the needs of over a million small to medium-sized businesses. As a premier business-to-business office products provider, Quill.com sells everything from paper and ink and toner to cleaning supplies and technology with 24-hour-a- day access to more than 65,000 business essentials. Quill.com has been a wholly owned subsidiary of Staples, Inc., since 1998.

Genesis is the platform based on which Quill and Staples EU have developed their e-Commerce solutions. Genesis System aims to provide support to the web sites developed over the Genesis platform predominantly using Microsoft Technologies (.NET, SQL Server, etc.). The 14 such functional websites built over this platform and rolled out to different business units are as follows:

* Quill.com
* QuillConnect.com

## Responsibilities:

* + Strategically architect, design, develop and implement efficient information systems and/or operating systems in support of core enterprise functions.
  + Developed application using advanced level of **ASP.NET, MVC, HTML5, AJAX, JSON, JQuery, JavaScript, CSS3, pure CSS layouts** and **Web API**.
  + Implementing Client-side validations using **jQuery, JSON** and **ASP.NET MVC** Validation implemented at Controller level.
  + Responsible for transforming designed mock-ups to web pages.
  + Unit Testing and running the test case to proper functioning and for code coverage.
  + Used Entity framework ORM at data access layer. Developed Store procedures where complexity is high and executed using Entity framework.
  + Create store procedures, triggers, views, and functions for the application.
  + Used **SQL Server Integration Services (SSIS)** for extraction transformation and loading data and scheduled SSIS Packages daily and weekly Basis.

**Environment:** C#, ASP.Net 4.5, MVC, HTML5, CSS3, Angular 8, JavaScript, Jquery, Visual Studio 2017, SQL Server 2011, Angular

## Project : Staples PNI Redesign

**Period** : August 2016 to May 2018

## Client : Staples.com, USA

**Position :** Sr Developer

**Location** : Chennai, India

**Company :** Tata Consultancy Services

## Description:

PNI Digital Media (Photo channel Networks Inc) is a company that operates an on-demand photographic printing service. On July 11, 2014, the company was acquired by Staples, Inc.

Staples copy and print solutions is using PNI product. TCS PNI team’s vision is to decrease the customer’s dropouts in Copy and Print site of Staples (design.Staples.com) and increase the

business of Staples in copy and print portfolio. Key objective of this project is to increase the customer experience of design.staples.com site. The focus is being on improving UI/UX design and performance of the site.

## Responsibilities:

* Involved in initiation, eliciting, analyzing, recording requirements, design, development, implementation, testing, and maintenance of the project in SDLC environment.
* Designing and Implementing Interfaces and Classes using Object Oriented Programming Structure and Design Patterns.
* Developed application using **C#, ASP.NET MVC4, HTML5, AJAX, SQL Server 2008/2012**
* Implementing Client side validations using jQuery, JSON and ASP.NET MVC Validation implemented at Controller level.
* Built Single page web application using Angular.
* Developed rich and interactive UI using CSS, JavaScript, Ajax, Angular
* Designed and implemented the User Interface using AngularJS MVC framework
* Responsible for UI developments and custom views using MVC Razor and ASCX, HTML, jQuery, XAML and CSS which interacts with Business layer objects and contents from external source followed agile software development scrum.

**Environment:** C#, ASP.net 4.5, MVC, HTML5, CSS3, JavaScript, Jquery, Web API, Angular, Entity Framework**,** Visual Studio 2015, SQL Server 2014

## Project : Staples Product Database

**Period :** August 2014 to August 2016

**Client Name : Staples.com, USA Position :** Sr. Developer

**Location** : Chennai, India

**Company :** Tata Consultancy Services

## Description:

PRODUCT DATA BASE a.k.a. PDB is a backend application for Staples.com. PDB Manager, a GUI tool which allows the Merchants to maintain the rich content that is used on the Staples.com Web Site. Each morning data from the Product Database is extracted and used to create a Web Site Catalog. Organize data in hierarchical fashion for predefined templates of Staples.com (every hierarchy level from Super Category down to SKU), what is displayed on each template (Resources, Featured Items, Images, Text and Bullets). It also generates internal feeds like Coupons, Rebates and Campaigns. This section focuses on the PDB Manager and various setup instructions for the rich content that is used on Staples.com website. In order to effectively collect this data, Staples, Inc. needs a proficient work force that can develop, maintain and support software to accomplish this goal. It requires technical expertise as well as domain knowledge.

## Responsibilities:

* + Developed windows formsusing **C#** as the code-behind language and **SQL**

Server2008 as the SQL data consumer

* + Work collaboratively with business owners to assist in development of Business Object reports. Tasks including requirement gathering, development, testing and maintenance.
  + Designed and implemented Data access layers (model) using **LINQ** for **XML** Data, and multi-user interface Used XML, XSLT and defined XML Schema.
  + Coding and Performance Tuning the queries, Stored procedures and functions, Triggers using **SQL**
  + Developed a C# console application to interact with IBMMQ for external vendor applications

**Environment:** C#, ASP.net, IBM MQ, JavaScript, Jquery, Web API, SQL**,** Visual Studio 2010, SQL Server 2008

## Project : Design & development of application for managing Vendor Income in Canada Target stores.

**Period :** Feb 2011 to Jul-2014

**Client :** Target Corporation

**Position :** .Net Programmer

**Company :** Tata Consultancy Services

## Description:

Target Corporation is an American retailing company head-quartered in Minneapolis, Minnesota. Target is the second largest discount retailer in the United States. The goal of this project is to develop an online application "Canada - VI Tool (Vendor Income Tool)" as a part of Canada initiative. Following are the key objectives of the project "Canada - VI Tool"

1. Facilitate the processing of the Vendor Income (VI) by creating and managing the agreements between the Target and Vendors (Target Vendors)
2. Allocation of the VI at Product Category level
3. Generation of reports which will provide tracking of the VI

## Responsibilities

* Developed web forms in **ASP.NET** using **C#** as the code-behind language and **SQL Server2008**

as the SQL data consumer.

* Experience in **SQL Database design**, maintenance, and performance tuning, developing SQL queries/scripts, stored procedures using SQL Server 2008.
* Involved in creation of **LLD (Low Level Design Document)**.
* Experienced in client-side Technologies such as **HTML, CSS, JavaScript, jQuery, C#**.
* Responsible for the overall layout design, color scheme of the web site using HTML, XHTML &CSS3.
* Used **ADO.Net objects** such as Data Adapter, Data Reader, Dataset for reading/updating records in the database.
* Designed UI screens for this module using HTML, JavaScript.
* Designed **Cascading Style Sheets (CSS)** for a uniform look of the web pages.

**Environment:** Windows XP**,** C#, .Net, .Net Framework 3.5, Visual Studio 2010, MVC3, Entity framework and SQL Server 2005

## Project : Nutro Website

**Period :** January 2010 – Jan 2011

## Client : Mars

**Position :** .Net Programmer

**Location** : Hyderabad, India

**Company :**  Satyam Computer Services Limited

## Description:

The NUTRO Company is one of the most reputed PET food manufacturers across the globe. The aim of this project is to collect all the required information about the PET and rate it. Giving the discounts coupons for the consumer. The website should provide the options to enter the various information about the Pet like age, name and weight and should upload the photo. Pet photo should be linked with Face book also. Needs to provide the provision of cropping of the image. After submitting the information, The Nutro Company will suggest the optimum diet for the Pet and will give rating for the pet.

## Responsibilities As a Developer

* + Understanding the Requirement and Issue’s from client.
  + Preparing high level and low-level designs for the projects.
  + Involved in Development & unit testing maintenance activities.
  + Preparing Unit test plan and performing required testing.
  + Implement defect preventive measures on all the tasks received
  + Responsible for maintaining the Quality standards in all the phases.
  + Client interaction on weekly basis to discuss about status of the task.

**Environment:** Windows XP**,** C#, .Net**,** .Net framework 2.0, Visual Studio 2005, SQL Server 2005

**Project : ERA [Excellence Recognition Awards] Period :** September 2006– December 2009 **Client : Glaxo Smith Kline**

**Position :** Developer

**Location** : Hyderabad, India

**Company :**  Satyam Computer Services Limited

## Description:

IPO (Integrated Product ODS) is a web-based application. Earlier it is called as PRISM. System manages Market / Product definitions for the US Pharma Sales ecosystem. US Pharma, the Marketing and Sales wing of GSK (USA). System Facilitate easier maintenance and validation of Product/Market definition by Data Management analysts of product dimension team. Product / Market definitions are custom defined structures later used by multiple downstream systems for aggregating and reporting data used in Sales Reporting, Incentive Compensation, Targeting, and the like.

## Responsibilities

* + Documentation – Preparation of Low Level Design, Program Specification and the Test Cases.
  + Supported the User Testing of the application during UAT where I was responsible for interacting with client team for issue resolution.
  + Ensuring that the provided solution is of acceptable quality.
  + Coding and developing the programs to meet client requirement and testing the same.
  + Defect fixings and handling other issues in post-production.
  + Ensuring that the provided solution is of acceptable quality.

**Environment:** Windows XP**,** C#, .Net**,** .Net framework 2.0, Visual Studio 2005, Oracle