

Nithya Venkatakrishnan

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Visa Status: US Citizen

.NET DEVELOPER

Microsoft .NET developer, with over 8 years of overall experience, certified in Microsoft Web Application development and Salesforce Administration, developed & implemented websites, web services & database applications using ASP.NET MVC Core, WEB API, C#, Entity framework Core & SQL SERVER technologies.

- C#, SQL
- JavaScript, HTML5, CSS, jQuery
- ASP.NET MVC, Web Forms, Web API, NET Core
- SQL SERVER
- Smartstore eCommerce, Umbraco
- Object Oriented Programming
- JIRA, GitHub, SVN, Visual Studio
- Entity Framework, TopShelf, Autofac, Linq
- AWS (Lambda, IAM, S3)
- MSTest, NUnit
- IIS
- SSRS

PROFESSIONAL CERTIFICATIONS

- Salesforce Certified Administrator
- Developing and Implementing Web Applications with Microsoft Visual C# .NET and Microsoft Visual Studio .NET

PROFESSIONAL EXPERIENCES

Role: **Programmer Web Developer- .Net/.Net Core (Contractor)**

Feb 2024 – Nov 2024

Client: **Abbott Laboratories**- Conway Park, Data Management Diagnostic Division

Online web-based platform that enables users to create protocols, document their execution, analyze data, and record results. Administrators have the ability to create and manage projects where users can focus on, document, analyze, and record protocols. The platform is accessible to both internal and external personnel involved in creating, reviewing, approving, or verifying execution documentation within the application.

Roles and Technical Responsibilities

Roles and Technical Responsibilities

- Requirement analysis and developed a web application using MVC Core, incorporating filters and session management. Created and integrated an API, which was utilized by AngularJS services.
- Designed and implemented Windows services using .NET Core.
- Performed SQL query formulation based on specific requirements.
- Developed an independent and asynchronous Log4Net component.
- Utilized AngularJS and jQuery for frontend scripting. • Engaged in web page design tasks.
- Created various utility packages, including a JSON validator, TSV to JSON converter, JSON schema generation and a JSON with XML comparator.
- Streamlined the process of comparing hierarchical data from websites with large datasets in Excel.
- Engaged in using Excel Power Query Editor to compare large data files and applying Excel formulas.
- Utilized Amazon Athena to query JSON data stored in Amazon S3.
- Addressed and resolved production issues.
- Developed Unit Test Cases and Sampling Test for web applications and SQL queries.

Career Break:

Apr 2020 - Jan 2023

During this period, I underwent training on Salesforce CRM, completed certifications, worked on Trailhead, and developed an Android app and Salesforce CRM applications for personal use.

Role: .Net Developer(C#) & Onsite Tech Coordinator (Contractor)

Dec 2019 – Mar 2020

Client: **AbbVie Inc.,**

A catalog website for Commercial Data Lake Team to host all the information about CDL including Data Sets available in the platform, ability to Onboard new project, Operating Model of CDL, AWS Platform information etc. This internal website for AbbVie and the users of this site will be all Commercial Business users, BTS users, business owners, and in future allow access to agencies that work with business.

Roles and Technical Responsibilities

- Created System design for data model and Database design
- Created Content Management System (CMS) on Umbraco with .Net Framework
- Created .Net EXE to feed data to database from FTP path and Shared Folder
- Created Email solution to send emails through AWS SES
- Implemented Factory Design pattern to achieve Email Implementation and FTP data feed
- Created SQL Stored Procedure to generate CAB report
- Worked with Infrastructure Team to create Service Account, Security Group, Domain, enable SSO , Database, Setup application server and database server for DEV, Test, QA and Prod environments for phase 1.
- Technical and CDL domain coordination with offshore team
- Involved in Code Review and Created CDL deliverable documents
- Created and managed source control Azure GIT Repository

Technologies: .Net 4.5.2, ASP.NET MVC 5,C#, Umbraco 7,SQL Server, MS Office Visio, Visual Studio 2017,Azure GIT Repository

Role: Freelancer / .Net Developer(C#) (Contractor)

Oct 2018 – Aug - 2019

Client: **Lake County Press, Waukegan, IL, USA**

SmartStore.Net, is an open source Ecommerce application with sophisticated design and cutting edge architecture focused for online shopping. This project is to create various new plugins and enhance the existing plugins in SmartStore.Net for LCP client websites based on market expectations.

Technical Responsibilities:

- Requirement analysis and clarifications, development, testing and deployment
- Production issue fixing and testing
- Created design and test case document
- Extended Ecommerce software
- Implemented AutoFac features
- Created and Injected Widget into plugin
- Created Entityframework migration configuration for ECommerce Plugin • Created Custom Razor ViewEngine.
- Worked on processing order through cloud
- Created SPA in AngularJS and service call API deployed on AWS Lambda platform
- Handling source in GitHub/BitBucket
- Frequent discussion with the client and team through Slack on a daily basis.

- One of the sample site <https://national.lcpstore.com>

Technologies: .Net 4.5.2, ASP.NET MVC 5, C#, Web API, SmartStore.Net, SQL Server, AWS Lambda, AngularJS, Visual Studio 2017, Github – BitBucket, Jira

Role: **Freelancer / .Net Developer(C#)** (Contractor) **Apr 2018 – Dec- 2018** Client: **ForeverStor, United States**

The end client ForEverstor (www.foreverstor.com) is maintaining storage system on cloud. This project is for migrating backend services developed in .Net Web Services into .Net Core RestFulAPIs.

Technical Responsibilities:

- Worked in Data Protection by creating self defined key
- Created SoapCore Web Services in .Net Core
- Migrated XML Web Services into .Net Core RestAPI
- Implemented JWT Web Token authentication
- Worked on PDF writing dynamically in .Net Core iTextSharp.
- Created Unit Test project for client application.
- Created Linux Terminal on AWS and Installed .Net Core application
- Worked on ADO.NET features
- Utilized Protocol Buffer feature for serialization • Worked in NLog features to log exceptions and information.
- Attend a web meeting for technical discussion with client.
- Frequent communication with the client through Upwork live chat and clarify about the requirement.

Client's Feedback

It Service Provider Platform (ISPP) Project

★★★★★ **4.60** Apr 2018 - Dec 2018

We hired Nithya to do several projects for us and she did very well. We've put our projects on hold for now, but when we start them up again, we will want to hire her again.

Technologies: .Net Core, C#, Web API, SoapCore Services, SQL Server, Visual Studio 2017, SVN, Jira

Role: **Freelancer / .Net Developer(C#)** (Contractor)

Mar 2018 – Jun- 2018

Client: **Jexoy, Southi Arabia**

Jexoy.net is a web platform to design, manage and operate virtual business solutions on the cloud without any software development. It have internal intelligent engine built on cognitive computing, which is a complete architecture of multiple artificial intelligence subsystems that work together, this engine doesn't need to write any source code, it is as easy as just filling or uploading business solution's design details through the platform itself and the virtual business solution becomes ready for usage on the spot.

Technical Responsibilities:

- Created stored procedure for Exception Handling in PostgreSQL.
- Worked in PostgreSQL queries.
- Worked in Data Protection by creating self defined key and dynamic key using .Net core data protection feature to encrypt/decrypt of configuration file.
- Created Jexoy workflow using jQuery flowchart plugin.
- Attend a live meeting for technical discussion with the team and client.
- Frequent communication with the client to clarify about the requirement.

Client's Feedback

ASP.NET Core Developer for Start-up Business

★★★★★ **5.00** Apr 2018 - Jun 2018

Nithya is a good and relaxable freelancer to work with, she have commitment to her deliverables, always follow-up, good analytical skills, and always have good ways of thinking and finding solutions, also she produce a good quality source code, she never stop.

**Apr
2017–
May
2017**

Role: **Freelancer / .Net Developer(C#)** (*Contractor*)

Client: ECast, **Los Angeles, USA**

A new system has been developed and hosted as Windows Services using Topshelf Library. The system has been worked as a queue processor and alert system, with intelligence to not allow sending duplicate emails and to consider a rate limiting by user and Mail Kind.

Responsibilities

- Created Windows Services using Topshelf library
- Implemented Repository pattern
- Worked with Entityframework6 Code First approach
- Created table designs and T-SQL queries

Technologies: .Net 4.0, C#, Windows Service using TopShelf, Design Patterns, Entityframework6, SQL Server, Visual Studio 2015

Role: **C#/.Net Developer**

May 2013– Jun 2014

Employer: **HCL Technologies, India**

Project#1 Description:

CEVA Mainly concentrating on FM (Freight Management) and CL (Contract Logistics). CEVA has various stations and HUBS across the world. Through Stations employees, CEVA Collected all the consignment from the customers and sent the consignments to HUBS for consolidations for dispatch. Each Consignment has its unique MAWB (Master Airway Bill No) and Consignments are grouped together and assigned a unique HAWB No (House Airway Bill) for tracking purposes. CEVA Captures domestic consignments activities through WP (World Port) Application and International consignments activities through Class. Track and Trace helps the customer to track the consignment status very effectively.

GVP is a tool to automate the process of current Data Entry and Track\Trace activities. This tool performs below the activities.

- Web scraping
- Track and Trace • Status inquiries
- Reporting (Daily, Weekly, Monthly and Quarterly)
- Data Entry
- Exception Management

Technical Responsibilities

- Created Existing Milestone Architecture and High Level Architecture of system
- Created Windows Workflow Foundation(WF) to execute scraping system
- Created Windows Communication Foundation(WCF) to perform scraping on carrier website by providing user credential, input parameters
- Created automatic message communication to update shipment delay and status to respective customer
- Created automated shipment tracking and task allocation to agents
- Created customer\station specific reports
- Worked in Entity Framework Code First approach
- Performed Unit Testing and System Testing
- Interacted with Business Analyst for functionality clarification
- Performed production support with the operation team

Project#2 Description:

This module is to handle the productivity capturing of Domestic Pickup Creation and client specific reports and eliminate the manual tracking of TAT across the floss and to generate reports and to ensure timely availability of reports.

Technical Responsibilities:

- Developed JavaScript code for screen scraping of given image and feed data in to Excel
- Created dashboard screen for case allocation
- Created Live Dashboard screen to show the status of cases
- Generated dynamic SLA report based on Turn Around Time(TAT)

Project#3 Description:

This tool is developed for Water Services Company in United Kingdom. A complete automated process through CFM which makes easy process of billing exception and ensured reduced billing to collection cycle. This tool offer integrated back office billing support and customer support services, Ring fenced team for managing seasonal variation in volumes, Resolving account issue and raising field work, Account setup , Request and Process device installation , Reconnection and removal.

Technical Responsibilities:

- Entire system has been developed using MVC.
- Created an application to track user Login and Logout time, presence with the system, calculate active time of user with the system and to allocate shift timing to an employee
- Created controlled access page
- Created Windows Communication Foundation to handle the process in Data Access Layer
- Created nested JQgrid to allocate and de-allocate cases to agents
- Created callback dashboard screen in JQgrid with multiple features
- Applied CSS and created JQuery Accordion to stack sections of LOB , case to revert, Customer and Agent communication.
- Created multi-select Dropdown to apply filter in display shipment details
- Worked in JQuery event handling for the dynamic changes in Views

Technologies: .Net 3.5,ASP.NET, ASP.NET MVC, C#,JSON, Bootstrap, WWF,WCF,SOAP, XML, Entityframework, SQL Server, Visual Studio 2013,TFS

Role: **.NET Web Developer(C#)** (Contractor)

Jan 2011– Feb 2012

Client: **Nonnita Inc, Gurnee, IL**

Description: This tool is developed to apply for Visa Processing through online. Created user friendly websites perform bug fixes and provide technical support in **Asp.Net MVC, LINQ to SQL, JavaScript, VS 2010, C# script, CSS, and SQL Server 2008.**

Technical Responsibilities

- Developed application wizard using asp.net MVC.
- Created controller action, views and partial views according to the requirement.
- Created payment processing on PayPal and Google using asp.net MVC.
- Developed E-Mail support using SMTP.
- Created dynamic PDF generation.
- Utilized LINQ - SQL to manipulate data at the database through DBML. • Created entity relationships, and stored procedures.

Technologies: .Net 3.0,ASP.NET MVC, C#, Entityframework6,jQuery,AJAX, SQL Server,Visual Studio 2010

Role: **.NET Web Developer (C#)**

Jun 2007– Oct 2009

Employer: **Laser Soft Info System Ltd., India**

Description:

Integrated Treasury Management System which enabled dealers to optimize the returns on executions and have transparency in the Forex/Investment Desk. The system had a modular architecture and the modules have been layered on the basis of controls, operations and data flows. The package provides an environment which compiles with the policies of the Banks and regulatory requirements of Central Bank in strategic activity of Treasury Management. The system was specifically useful in dealing with Portfolio Management, Currency Trading, Security Dealing, Money Market and Debt Market Operations, Investment Operations, Accounting and Reconciliation etc.

Technical Responsibilities:

- Created event driven web forms using ASP.NET and implemented form validation using validation controls including both custom validation and JavaScript.
- Created and consumed XML based web services to expose data stored in SQL Tables
- Created and implemented user controls for nested grid, text box control, date control, Banner Control etc.,
- Utilized Master page feature in order to create the consistent look and feel for all the pages in ASP.NET web application.
- Implemented authentication security level in ASP.NET web application
- Used AJAX concepts in dashboard screens
- Created report such as to show reconciliation accounts , asset/liability codes., using SSRS.
- Export relation data into XML document and created crystal reports on web page. • Worked with SQL Server database and designed stored procedures.

Technologies: .Net 2.0, C#, ASP.NET,ADO.NET, jQuery, AJAX,SOAP, SSRS, XML Web Services, SQL Server,VSS

Role: **Jr. .NET Developer (C#)**

Mar 2006 – Jun 2007

Employer: **MS InfoTech., India**

Designed and implemented ASP.NET web based Training Management System. The system was used to track user profiles and training history, which allowed administrators to set up employee data, job codes, certifications, course requirements and suggestions, perform training gap analysis, schedule training, view training history and generate reports.

Technical Responsibilities:

- Designed and implemented user interfaces and screen layouts using CSS and user controls.
- Debugged ASP.NET web applications using Debug and Tracing features of Visual Studio.Net.
- Used ADO.NET to perform fine tune on the database
- Prepared and executed unit test plans for every module. Performed integration testing.
- Created custom configuration settings for ASP.NET web application using web. Config.
- Developed custom role provider for ASP.NET web site. • Used FxCop tool for code review.

Technologies: .Net 2.0, C#, ASP.NET, ADO.NET, SQL Server, VSS

EDUCATION

Bachelor's Of Science (BSC) in Computer Science– Bharathiar University, INDIA, Graduated in 2002

Masters in Computer Applications (MSC) – University Of Madras, INDIA, Graduated in 2006

LANGUAGE COMPETENCIES

- English: Fluent (speaking, reading, writing)
- Tamil: Native language