**YOGESH AGARWAL**

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**SUMMARY**

Sr. .NET developer with 15+ years of experience for many clients such as Progressive Insurance, Hilton and ALSAC/St. Jude Children’s Research Hospital performing analysis, design, development, deployment, testing and support of client server systems and Web applications. Expertise in .NET Framework technologies, cloud environments, and database programming. My detailed experience includes:

* Possess a perfect blend of technical and management skills and ability to think problems analytically, worked on multiple projects independently with minimal supervision.
* .NET developer and lead engineer with over fourteen (15+) years of experience in analysis, design, development, deployment, testing and support of client server systems and web applications.
* Expertise in .NET Framework technologies such as .NET Core ASP.NET, VB.NET, C#.NET, Entity Frame work along with supported technologies i.e., HTML, CSS, LINQ, Ajax and UI frameworks including TypeScript, Angular (Angular 8, Angular 17) and jQuery.
* Hands on experience in .NET applications with MVC patterns, Entity framework and the latest JavaScript libraries TypeScript, Angular, jQuery and Bootstrap.
* Experience with implementation of REST API, WCF and Web services, handle data in both XML and JSON.
* Hands on experience working in many SQL databases and administration, including Dynamic SQL, Stored Procedures, view. Handle administrative tasks like backup restore DB permissions etc.
* Experience with DB performance optimization, scheduling jobs.
* Experience working with cloud environments on AWS and Azure. Setting up different services like virtual machines, databases, EC2, S3 etc.
* AWS programming experience on S3, application upload / download invoices on S3 bucket.
* Experience working with Atlassian suit i.e., Jira, Confluence. Exposure of scheduling our releases through JIRA board and some knowledge of Administrating JIRA which includes on-prem to cloud migration, creating and managing JIRA templates etc.
* Expertise in CICD, creating deployment pipeline and automated build using TFS, worked on multiple tools includes Octopus, Bamboo, Azure DevOps.
* Proficient in design and development of databases with SQL Server, MS Access and Oracle.
* Skilled in database programming, writing Stored Procedures, Functions, Triggers, Views and PL/SQL, DB administration – backup, restore permission and refactoring for performance.
* Hands on experience with reporting tools with SQL Server Reporting Services (SSRS), Crystal Reports and HTML reports
* Proven skills with ETL packages and SQL Jobs, and hands on experience in SSIS, Iman and Pentaho. Extracted data from Web services, processed batch jobs and executed scripts through SSIS.
* Proficient with third party ETL tools like Pentaho and Iman
* Experience working with version control tools GIT, TFS and VSS.
* Exposure to cloud environment with AWS and Azure, worked on multiple services like AWS-EC2, AWS-S3, AWS-RDS, Azure DevOps, Azure Jira-Board, Azure SQL.
* Expertise in code quality, cyber security, threats, and vulnerabilities. Follow OWASP practices.
* Managed incidents with service request management tools such as JIRA, OPAS, Remedy, Service-Now and Maximo for change management
* Worked with onshore-offshore models in Waterfall and Agile methodology environment.
* Experience of working with third party tool and services like payment processors (Cyber Source, Elavon), tools and controls like Telerik, Splunk etc.
* Exposure to .NET MAUI for android development, worked on multiple POCs on MAUI.

**EDUCATION**

* Post-Graduation Diploma in Computer Application, Maharishi Dayanand University, Rohtak, India – 2010.
* Bachelor of Computer Application, Makhanlal Chaturvedi Rashtriya Patrakarita Vishwavidyalaya, Bhopal, India - 2008

**CERTIFICATIONS**

* Microsoft Certified Professional, MVC
* O level, DOEACC Society, Delhi, India
* Certificate Course in Software Engineering, Aptech Computer Education, Alwar, India

**SKILLS**

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| **Languages** | C#, VB.NET, Java, ASP, SQL, JavaScript |
| **.Net Technology** | .Net Framework, .NET Core, ASP.NET, MVC, WEB API, WCF, Web Services, LINQ, Message Queue, .NET Core, Entity Framework |
| **Web Technology** | ASP.NET, ASP, HTML, CSS, Bootstrap, JavaScript, TypeScript, Angular, jQuery |
| **Clouds** | Azure (virtual machine, database, azure board), AWS (EC-2, S3, RDS) |
| **Databases** | SQL2016/2014/2012/2008/2005, PL/SQL, Oracle 11g. |
| **IDE Tools** | Visual Studio, SSMS, Data Tools, TFS, Splunk, Postman, IMAN, Pentaho |
| **Reporting Tools** | SSRS, Crystal Reports, HTML Reports. |
| **Version Controls** | TFS, GIT, VSS |
| **Other Tools & Software** | MS Office, Azure, AWS, Splunk, Jira, Confluence, Octopus, Bamboo |

**EXPERIENCE**

**Mar ’24 – Feb ’25** *Senior Software Engineer*, **Southern Roofing & Renovation, Memphis TN**

**CoreLink Pro & Dashboard**

JS Software Services is an IT company, created under the umbrella of Dark Horse Management to create and maintain IT applications for Southern Roofing and Renovation. SRNR is one of the top 10 companies known for the roofing business and Core-Link Pro was the application built to manage their operations. CoreLink is an Angular web-based application used to keep track of all the jobs, supplier labor crew, and payment for a job. Dashboard is .NET Core (ASP.NET with MVC) application shows their data on one screen (TV) about upcoming and undergoing projects.

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* Performed application analysis, design, and application development based on the user’s requirements.
* Work closely with Business Analysts to under the business needs and functional priorities.
* Used Monday board for release planning and effort management.
* Using .NET Framework (.NET Core), MVC Entity Framework for Dashboard UI.
* Implement Full Calendar javascript control to show full calendar with projects data for all branches.
* Using Angular 17 for CoreLink Pro UI along with WebAPIs (C#, EntityFramework, SQL).
* Create components, pages, and services. Protect the app by implementing route guards.
* Implement SSO between 2 applications CoreLink Pro and Dashboard.
* .NET Core for microservices and APIs.
* Facilitated database development and worked with multiple SPs for different logics of applications.
* Write SQL queries to provide ad-hoc data/reports for analysis purposes.
* Used GIT for code repository and version control.
* POCs on .NET MAUI for android application development.
* AWS EC-2, S3 and database uses, working on AWS programming to upload and download labor receipts to/from S3 bucket.

**Environment:** Visual Studio 2022, .NET Core, C#, Web APIs, Microservices, AWS, .NET MAUI, SQL Server, SSRS, Monday, Slack.

**Dec ’22 – Mar’24** *Senior Software Engineer*, **Progressive Insurance, Memphis TN**

**Flood Insurance**

Progressive Insurance is one of the leading insurance companies in United States, Progressive selling different type of insurance including Flood Insurance. Working with flood team to manage the overall flood application, flood application used by agents and underwriter to create a quote and issue policies. Flood application connects with FEMA to get rates for policies also sent data to FEMA, once accepted by FEMA a policy has been issue to user.

* Performed analysis, design and development of the application based on the user’s requirements.
* Work closely with Business Analysts to under the business needs and functional priorities.
* Used Azure – Board (Kanban) for our release planning and follow agile methodology.
* Using .NET Framework (ASP.NET) for Flood Application UI.
* .NET Core for microservices and APIs.
* Facilitated database development and worked with multiple SPs for different logics of applications.
* Write SQL queries to provide ad-hoc data / report for analysis purpose.
* Working for SSRS and Crystal reports to provide different types of report and invoices for billing purpose and generate documents.
* Worked on API code used to interact with different systems and FEMA.
* Used TFS for version control and Octopus is used to build CICD pipelines.
* Exposure to Splunk to see application logs.

**Environment:** Visual Studio 2022, .NET Core, VB.NET, C#, Web APIs, Microservices, SQL Server 2014, SSRS, Crystal Report Kanban (Azure Board), Octopus, ReSharper.

**Nov ’21 – Oct’ 22**  *Lead Software Engineer*, **Hilton Worldwide Inc, Memphis, TN**

**Advance Purchase**

Advance Purchase is a financial application to process and work on bookings made in advance purchase mode, where guest pay the reservation fees in advance, those reservation fall in our application to manage and process which include pay to hotels for their reservations, initiate refund if cancellation occur, different reports for hotel and finance team.

* Performed analysis, design and development of application based on business requirements.
* Create technical and functional document for all business needs.
* Used JIRA board to plan our release and Confluence to document our processes.
* Used .NET Framework (ASP.NET, C#) for application development.
* Used jQuery and Bootstrap for client-side UI and validation.
* Work on multiple SQL objects i.e. Stored Procedure, Table, Views, Indexes and Triggers.
* Used GIT for version control and CICD.
* Worked on SSRS reports.

**Environment:** Visual Studio 2022, VB.NET, SQL Server 2014, JIRA, Confluence, SSRS, SSIS, CICD

**May ’21 – Nov’ 21**  *Lead Software Engineer*, **RNL, Memphis, TN**

**Survey Application**

RNL is a service provider to universities all across United States. Their main service product is Survey, where they send survey to student on behalf of university to collect their feedback about university. These surveys are then used by universities to approach students for enrollment into their courses.

Worked as onsite lead with 10 developers at off-shore (India) and manage multiple product / services offered by RNL to universities.

* Performed analysis, design and development of the application based on the user’s requirements.
* Involve in development as well as planning with offshore team on releases and items.
* Resolve OWASP vulnerability in code and make in more secure.
* Implement ADA requirement to university website on RNL side, so the content will be available to handicap students as well.
* DotNetNuke is been used for content management for different universities.
* Worked on multiple Angular components and change as per client requirement. Worked on TypeScript classes and modify as needed.
* Facilitated database development and worked with multiple SPs for different logics of applications
* Exposure to AWS-S3 and EC2 service, where spin-up few servers for team and Storage service is in use to store all survey documents.
* .NET Core application with Microservices
* Used GIT for version control and Jenkins for CICD pipelines.
* Worked under agile environment and used JIRA for sprint planning and management.
* Exposure to work as JIRA admin and migration to JIRA cloud.

**Environment:** Visual Studio 2022, .NET Core, VB.NET, C#.NET, Nuke, SQL Server 2014, JIRA, Confluence, SSRS, OWASP, TypeScript, Angular (8), AWS, Microservices.

**Oct ’20 – May’21**  *Senior.NET Developer*, **Juice Plus, Memphis, TN**

**PPM (Payment Processing Module)**

Payment Processing Module is .NET application based on MVC architecture along with Entity Framework. This application is a dashboard for all payments coming to Juice Plus. Application has configuration for different processors, all processors have their own API’s (REST or SOAP) so whenever a payment request goes out, it selects the processor-based configuration, hits the API to process payments and response log back to application. We use nLog for logging all exception and nUnit for unit testing.

* Performed analysis, design and development of the application based on the user’s requirements
* Facilitated database development and worked with multiple SPs for different logics of applications
* Used Bamboo for version control and CICD
* Worked under agile environment and used JIRA for sprint planning and management.

**Environment:** Visual Studio 2019, C#.NET, Entity Framework, APIs, LINQ, SQL Server 2016, JIRA, Confluence, Bamboo

**WMS (Warehouse Management System)**

JuicePlus is using HighJump as a warehouse management system. Orders from web are entered/captured in a pick based operating system and spit files to a FTP server, IMAN jobs pick file and puts it in Sage (accounting system). HJ integration picks records from Sage and places it in HighJump WMS, from there pickers or shoppers ship the order to customer.

* Worked on IMAN and Pentaho ETL tools to understand and improve the workflow for orders
* Troubleshot issues through database and ETL jobs in case of any issues.
* Sage has Crystal Reports to print any document i.e. Invoice, PO
* Worked with Crystal Reports to create/change an existing document format printed by Sage
* Created and deployed SSRS reports for reporting purposes

**Environment:** SSIS, SSRS, IMAN, Pentaho, SQL Server 2016, JIRA, Confluence, Crystal Reports

**Apr ’18 – May’20** *.NET Developer*, **St. Jude Children's Research Hospital/ALSAC, Memphis, TN**

**PVC (Payment Vision Center [Find My Transaction])**

Payment Vision Center is a new .NET Core web application used to perform a search for transactions. ALSAC donors enquire about donation/transactions and this application searches through different hops to figure out where a transaction is or where it stuck.

* Performed analysis, design and development of the application based on the user’s requirements
* Conducted database development and worked with multiple SPs for different logics of applications
* Used TFS for version control
* Worked under agile environment and used JIRA for sprint planning and management
* Implemented CICD for all the applications for continuous development and deployment
* Removed vulnerability reported by SonarQube - all new builds run through SonarQube
* Facilitated deployment and set up applications on the Windows server

**Environment:** Visual Studio 2019, C#.NET, Entity Framework, LINQ, SQL Server 2016, TFS, CICD, JIRA

**CyberSource (CyberSource Profile Management/ Reporting / Account Updater)**

CyberSource is one of the payment processers for ALSAC: we get daily reports from CyberSource i.e. how many transactions or what transaction has been processed. This information is used to reconcile transactions. Account Updater and CyberSource Profile is used to update donor profiles stored on CyberSource. This information is available through RestAPIs and Web Services. I introduced 1 solution for all CyberSource needs.

* Performed analysis, design and development of the application based on the user’s requirements
* Conducted database development and worked with multiple SPs for different logics of applications
* Used TFS for version control
* Worked under agile environment and used JIRA for sprint planning and management
* Implemented CICD for all the application for continuous development and deployment
* Removed vulnerability reported by SonarQube - all new builds run through SonarQube
* Facilitated deployment and setup applications on the Windows server

**Environment:** Visual Studio 2019, C#.NET, Entity Framework, LINQ, SQL Server 2016, TFS, CICD, JIRA, REST APIs, WCF

**SOLID (Single Optimized Load In DMS)**

Donor Management System is ALSAC’s core to manage all donations for St. Jude. DMS has all donor accounts and keeps track of all communications/donations for a donor. Our team works to process donations through different channels and post it to its destination which is DMS.

* Performed analysis, design and development of the application based on the user’s requirements
* Conducted database development and worked with multiple SPs for different logics of applications
* Developed different applications to support donation operations and cyber source reporting
* Developed SSRS reports to give an overview to management regarding donations
* Worked on various SSIS packages used to get data from different channels and transform it into our database
* Used TFS for version control
* Worked under agile environment and used JIRA for sprint planning and management
* Implemented CICD for all the applications for continuous development and deployment
* Removed vulnerability reported by SonarQube - all new builds run through SonarQube

**Environment:** Visual Studio 2015, 2019, C#.NET, Entity Framework, LINQ, SQL Server 2016, SSRS, SSIS, WCF, REST API, TFS, CICD, JIRA

**Jun ’14 – Apr’18** *.NET Developer*, **Hilton Worldwide Inc., Memphis, TN**

**FOCUS**

Focus is a workflow-based application where design and construction teams upload their designs and blueprints for a property for an approval process. On the technical front, it is an MVC and entity framework-based application. We used DB file streams to upload files on the server.

* Performed analysis, design and development of the application based on the user requirements
* Designed UI (Views) with Razor View engine
* Worked with the development teams using MVC patterns, created model views for communication with an application and database
* Wrote various controllers and action methods for multiple pages
* Performed database development and worked with multiple SPs for different logics of applications
* Ran code through cyber security tools and profilers, remediating all vulnerability including cross site scripting and injection.
* Worked on ETL packages to get data from third party systems through the Web services

**Environment:** Visual Studio, MVC, Entity Framework, LINQ, C#.NET, SQL Server 2016, TypeScript, knockout JS, jQuery, SSIS

**Facility Client**

Facility Client is a VB6 application, installed on project manager’s machine. They would work off-line on that application while in the field. This application is to group facilities, apply group policies and apply some feature updates for any facility.

* Provided support and made small changes to code if required
* Supported MS-Access database, backend of this application

**Environment:** Visual Studio 6.0, MS-Access, SQL Server

**ACRL**

ACRL (AD&C Resource Library), is a resource library. The library has a collection of all of the documents related to different standards for different brands, architectural documents or any informational documents. The automated job fires project letters (template based) to the project managers when their projects are nearing deadlines. We used the SQL file streams to upload files in the database and the SSIS script tasks for letter triggering tasks.

* Performed analysis, design and development of applications based on the user requirements
* Wrote actions for the SSIS script task to process project letters
* Wrote various controllers and action methods for multiple pages
* Performed database development and worked with multiple SPs for logic of application
* Facilitated deployment and set up of applications on the Windows server
* Worked on ETL packages to get data from third party systems through the Web services

**Environment:** Visual Studio with MVC design pattern, Entity Framework, LINQ, C#.NET, SQL Server 2016, knockout JS, jQuery, SSIS

**Suppliers Connection**

Suppliers Connection is a supply chain management system. Vendors could market their products for the Hilton properties. The vendor receives reports to locate the vacancies and then applies accordingly. This application requires subscriptions to get hot leads, which implements a payment gateway to accept credit cards (OLTP). The vendors can upload PDFs for the products specification sheets.

**Environment:** Visual Studio, Web Forms, C#.NET, SQL Server 2016, jQuery, SSIS, Web Services, Payment Gateway (Elavon)

**Nov ’10 - Apr ’16** *.NET Developer/Lead*, **Hilton Worldwide Inc., Memphis TN/Delhi, India**

**Property Information Manager (PIM) & Opportunity to Opening (O2O)**

O2O tracks an opportunity throughout its lifecycle until it becomes a property of Hilton Worldwide. O2O consolidates and streamlines the collection of all opportunities and projects (would be hotels) for global development and for design and construction team members to manage their ongoing projects. The reporting module of O2O allows management and others to view opportunity and project status in a real-time fashion. Property Information System (PIM) manages all Hilton properties and their features like contacts, addresses and telephonic information. It also must feed the data into systems such as date/time information across the globe and send information to Websites such as hotels to see if they feature pools, free internet and parking etc.

**Environment:** Visual Studio, Web Forms, VB6.0, VB.NET, SQL Server 2008, 2012, 2016, JavaScript, jQuery, SSIS, SSRS, Web Services, 3rd party API

**Jun ’10 - Nov ’10** *.NET Developer*, **Hilton Worldwide Inc., Delhi, India**

**Image Repository System**

This project is a repository for images and documents for QA audits and PIP audits. Using this repository system, we removed the dependency of smart client (the existing system) which is a desktop application, so that the audit document is available worldwide. This application supports all browsers. We used new feature like Silverlight, Ajax, and JavaScript to enhance the GUI and performance of the application.

**Environment:** Visual Studio, Web Forms, WPF, VB.NET, SQL Server 2008, Silverlight, jQuery, JavaScript, AJAX

**Apr ’09 - Jun ’10** *Module Lead/Senior .NET Developer*, **UEI Global, Delhi India**

**Revenue Tracker**

UEI Global provides hotel management courses for their students. They have multiple campuses all over India. Revenue Tracker is used to register students, generate fee receipts, send daily alerts to management for new registrations and revenue (text alerts on mobile). It has detailed revenue reports in HTML and students timetable schedule management.

**Environment:** Visual Studio with Web Forms, VB.NET, SQL Server 2008, JavaScript, AJAX

**Apr ’09 - Jun ’10** *Module Lead/Senior .NET Developer*, **UEI Global, Delhi India**

**Call Center Management**

**Environment:** Visual Studio, Web Forms, VB.NET, SQL Server 2008, JavaScript, AJAX

**Sep ’08 - Apr ’9** *Module Lead/Senior .NET Developer*, **VNC Systems, Gurugram India**

**Point of Sale (POS)**

**Environment:** Visual Studio, Web Forms, VB.NET, SQL Server 2008, Crystal Reports