

Manish kumar Choudhary

Senior System Engineer

"7+" Years of Experience on Software Development



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Executive Summary:

- ✓ Around 7+years of experience in Software Development Life Cycle: Gathering requirements, performing analysis and design in the form of standards and conceptual workflow procedures, transforming into business systems.
- ✓ Leading a team to build a high-quality software deployment process using infrastructure as a code in AWS cloud.
- ✓ Extensive knowledge of AWS cloud automation CI/CD pipeline building and maintenance.
- ✓ Extensive knowledge of python, PowerShell to build cloud automation pipeline.
- ✓ Extensive experience of managing highly scalable application on AWS cloud in preproduction and production environments.
- ✓ Extensive experience in **Agile methodology** and **TDD** (Test Driven Development).
- ✓ Extensive experience working with **Micro Services Architecture** and **workflow management**.
- ✓ Exceptional ability to master new concepts and capable of working as a Team, as well as independently.
- ✓ Experienced in implementing Organization DevOps strategy in various operating environments of Linux and windows servers along with cloud strategies of Amazon Web Services.
- ✓ Experience in ORM implementation with **NHibernate** and **Entity Framework**.
- ✓ Knowledge of database auditing by using trigger and function.
- ✓ Extensive experience in C#.NET, ASP.NET and .NET Framework 4.0/4.5.
- ✓ Experience in developing applications using C#.NET, ASP.NET Web API, MVC, Web Services, ADO.NET, Web Forms, Windows Forms, Window Service and AJAX.
- ✓ Experience in writing Database Queries using MS SQL Server 2005/2008 and Oracle 10g.
- ✓ Strong analytical skills with proficiency in debugging and problem-solving using command line and IDE like VS 2010/2013 and VS Code.

Professional Experience:

- ✓ Currently working as a "**Senior System Engineer**" in "**Hitachi Vantara**" from January 2020 to till date.
- ✓ Worked as "**Associate Lead Engineer**" in "**Thomson Reuters**" from April'15 to January 2020.
- ✓ Worked as "**Programmer Analyst**" in "**Wilshire Software Technology**" from 2014-15.
- ✓ Worked as intern in "**Sirocode Infosystem Pvt Ltd**" from 2013-14.

Professional Achievements:

- ✓ Employ of the year for year 2018 in Thomson Reuters India Private Limited.
- ✓ Received Award for one of the **MVP (Most Valuable Professional)** c-sharpcorner.com in year 2015, 2016 and 2017.
- ✓ Some of my articles have been selected for **The Article of the day** in official asp.net website.
- ✓ c-sharpcorner **monthly winner** for writing articles and helping the dot net community for the several times.
- ✓ Active blogger on several dot net communities like c-sharpcorner.com, codeproject.com etc.

Technical Skills:

- ✓ Net Tools : Dotnet Core, ASP.NET, C#, Web API, MVC
- ✓ Database Servers : MS SQL Server 2008/2010, Oracle 10g, SqlLight
- ✓ Script Languages : Python, PowerShell, Shell scripting
- ✓ Application Servers : AWS, IIS 6.0/7.0, Godaddy.com, Net4India.com
- ✓ Development Tools : Visual Studio .NET 2013/2019, VS Code, ReSharper, DotTrace, DotCover
- ✓ Test Frameworks : MS Visual Studio Test edition, NUnit, Rhino Mock, JASMINE

- ✓ Others : Swagger UI, AWS Simple Workflow, continuous integration tools, TFS, Git, Fluent API, Kibana, Boto, Jenkins, DataDog, python, PowerShell
- ✓ Willing to work on new Technologies.
- ✓ Able to understand the new Technologies in a short span of time.

Educational Qualifications:

- ✓ Master of Computer Application (**M.C.A**) from JPNCE College, JNTUH,
- ✓ **B.C.A** from T.N.B College Bhagalpur, TMBU Bihar.

Project Annexure:

Title : One Source (Barossa)

Barossa is a global platform for the automated production and publication of financial documents it's we will achieve this by

- ✓ Understanding that the quality of our product is built into every line of code we write
- ✓ Striving to create a world class product by applying a system of continuous improvement to our software, our processes and ourselves
- ✓ Intelligently selecting the best technologies to use when developing our platform, enhancing our productivity and enabling us to focus on creating the best possible solutions
- ✓ Knowing and understanding our customer's needs and usage patterns, allowing us to make intelligent decisions when presented with alternative paths forward

In Barossa I work in three different teams.

Team : Systems and Infrastructure

This team uses practices to automate processes that historically have been manual and slow. We use a technology stack and tooling which help them operate and evolve applications quickly and reliably. These tools also help other engineers independently accomplish tasks (for example, deploying code or provisioning infrastructure) that normally would have required help from other teams, and this further increases a team's velocity.

We securely store and versions our application's source code and automatically build, test, and deploy our application to AWS or our on-premises environment Start with AWS CodePipeline to build a continuous integration or continuous delivery workflow that uses AWS CodeBuild, AWS CodeDeploy, and other tools, or use each service separately.

Roles & Responsibilities: My team is responsible for following tasks.

- ✓ Coding a new feature to enhance the highly automated pipeline using python, PowerShell, NodeJS etc.
- ✓ AWS DevOps Automation (CloudTrail, CloudWatch, CloudFormation, OpsWorks, IAM, EC2, Route 53, S3, RDS, SES, VPC, etc.)
- ✓ writing Cloud Formation Templates (CFT) in YAML and JSON format to build the AWSservices with the paradigm of Infrastructure as a Code.
- ✓ deployment, data security and troubleshooting of the applications using AWS Services.
- ✓ Understand, implement, and automate security controls, governance processes, and compliance validation.
- ✓ Define and deploy monitoring, metrics, and logging systems on AWS.
- ✓ Cognitive about designing, deploying and operating highly available, scalable and fault tolerant systems using Amazon Web Services (AWS).
- ✓ Implement systems that are highly available, scalable, and self-healing on the AWS platform.
- ✓ Design, manage, and maintain tools to automate operational processes.
- ✓ Continuous integration, continuous delivery, and configuration management automation tools (Jenkins, Ansible, etc.)
- ✓ programming in Python, NodeJs, C#, or similar
- ✓ command line experience with Linux and/or Windows

Team : RESTfull Web API (Tenacious Turtles)

Tenacious Turtles is ongoing development project that is basically responsible for creating RESTful Web API (NancyFx) by following micro service architecture. This team is responsible for creating and managing the micro services for One Source.

Roles & Responsibilities: As a Software engineer, we are responsible to write quality code for micro services using TDD and testing the API using JavaScript's testing library like Jasmin, Mocha etc. And also

- ✓ Involved in design & development as per the sprint requirement
- ✓ Responsible in writing unit tests case and integration test cases.

- ✓ Working as per the play book standards.
- ✓ Writing quality production code that passes the code quality checks automation tests.

Daily uses tools

- ✓ IDE: Visual Studio 2013, WebStrom, VsCode.
- ✓ Testing Tools/Libraries: Nunit, RinoMock, Jasmin, Mocha
- ✓ Code Quality Scanner: Vera code, SonarQube
- ✓ Convention/Architecture: TDD, BDD, Micro services, CI (continuous integration), Agile
- ✓ Version Control : TFS, Git, Sami-Git
- ✓ Others: C#, Web Api, NancyFx, NHibernate, Fluent API, AWS Cloud, Swagger UI, Kibana, Liquibase, AutoMapper, StructureMap, SqlLight, Oracle 10g, AngularJs 1.x, AWS SWF(Simple Work Flow) etc

Team : 6X (Windows Development)

This team is responsible for enhancing functionalities and fixing the bug in our core product that is a windows application version of One Source Account production (OSR).

In our everyday work we value:

- ✓ Understanding of the whole problem and Test-Driven Development over perceived productivity and improved metrics
- ✓ Reduction of technical debt and continuous improvement over quick fixes
- ✓ Usability and adequate test coverage over new features and extended functionality
- ✓ Collaboration and re-use over isolated development
- ✓ Open extensible technologies and standards over closed source and proprietary point solutions

Roles & Responsibilities:

- ✓ Involved in design & development as per the sprint requirement
- ✓ Analysing the user story and writing the code with proper test cases.
- ✓ Working as per the play book standards.
- ✓ Fixing the Vera code analysis bugs and refactor.
- ✓ Understand client requirement and implement.

Tools

- ✓ Environment: C#, Framework3.5, SQL Server 2008R2, MVP, Rally, Resharper, TFS, NHibernate, Rhinomocks, trello.
- ✓ Role : Developer (Developing and Fixing the user stories and bugs using TDD approach)
- ✓ Clients : PWC, EY, ANZ, GE, SunLand.

Other Projects: Following listed project I have done in Wilshire software for managing their internal product.

Project Title	Environment	Role
HR_Management	MVC5,C#.net, Web services, Entity Framework 5, Ajax, JavaScript, JQuery, Bootstrap, HTML, SQL Server, and Chart with rdlc report.	Involving in all the SDLC activities.
WILMO	Asp.net, C#.net, Webservices, ADO.net, Ajax, JavaScript, JQuery, Css, HTML, SQL Server, and Chart with rdlc report.	Involving in all the SDLC activities.

Personal Details:

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Date: / /2020

(Manish Kumar Choudhary)