## **NIRMALKUMAR S PATEL**

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# **PROFESSIONAL SUMMARY**

* Senior Software Developer with hands on FULLSTACK development experience of over 10 years using .Net and front technologies such C#, ASP.Net, .NET Core, Specflow, MVC, Entity Framework, LINQ, Unity Framework, WCF, Web API, JavaScript, Typescript, AngularJS/Angular 2/4, Jasmine, Karma, Nodejs, jQuery, AJAX, Blockchain, Hyperledger Fabric, IBM Bluemix cloud, Ethereum, Docker, Git, TFS, HTML, CSS and JSONC#, .
* Good working experience in Blockchain. Implemented POC projects in Blockchain using Hyperledger Fabric and Ethereum technologies.
* Have done shell scripting in Linux and created the blockchain application in Linux. Also Deployed the entire blockchain application network in Linux VM boxes.
* Strong Front-End Development experience with JavaScript, Angular2/4, NodeJS, jQuery Ajax etc.
* Strong experience writing angular.js/angular 2/4/7 codes for developing Single page applications (SPA). Experience in Angular components like directives, factory and service resources, routing, dependency injection, 2-way data binding, filters and events.
* Experience in writing bundling and minification in angular application using Gulp.
* Experience in JavaScript concepts such as Objects, Closures, Call-back, DOM manipulation/scripting, Libraries, promises, async and sync functions.
* Experience in writing unit test cases using Jasmine and Karma.
* Experience in MVC, Entity Framework. Experience in creating RESTful APIs and Web Services.
* Good Experience with Object Oriented Concepts.
* Strong Expertise in DOM manipulation and JavaScript event to generate the data results in UI.
* Experience in client side designing and validations using HTML, CSS, Java Script, jQuery and AJAX.
* Experience in Node JS Environment - npm, Express JS.
* Proficient in using AJAX for implementing dynamic Web Pages where the content was fetched via API calls and updated the DOM (JSON Parsing).
* Implemented POCs using Bootstrap, Ionics and Apache Cordova for Mobile Development.
* Good understanding of Blockchain concepts and different Blockchain platforms.
* Experience in using solidity, web3js, metamask, truffle, geth, Etherium smart contracts.
* Experience in Hyperledger Fabric, IBM Bluemix, Docker, GO.
* Experience in creating and accessing various databases using SQL queries on Oracle, MS-SQL and MySQL.
* Experience in Database application designs and implementation using Oracle, SQL Server, and MySQL.
* Strong experience in IDEs Edit plus, Visual Studio, Visual Studio Code and Notepad ++.
* Extensive experience with Angular, creating custom directives, decorators, and services to interface with both restful and legacy network services also DOM applications.
* Expertise in testing and debugging new programs using Firebug, Fiddler and Developer tools.
* Experience in using version controls such as GIT and TFS.
* Experience in build and deployment of applications using TFS.
* Experience in all phases of SDLC like Requirement Analysis, Implementation and Maintenance, and extensive experience with Agile and SCRUM with TFS and Sprint Planning.
* Strong communication skills, time management and Team skills with an intention to work hard to meet project deadlines in a fast paced environment.
* Experience in setting up on Premises infrastructure for application.
* Experience in Azure IaaS, PaaS and have done POCs in Azure Functions, CosmosDB, Azure SQL, APIM, Service Bus and Redis.
* Have configured scaling policy in Azure for App Services and VMs.
* Experienced in configuring Azure CI/CD with Azure App Services.
* Have designed Blockchain Consortium in Azure and IBM Bluemix.
* Experience with Insurance, Banking and Finance, Entertainment and Retail domains.
* Have done POCs in RabbitMQ for messaging and integrated with application for POC purpose.

# **CERTIFICATIONS/EDUCATION**

* B-Tech in Information Technology – Ganpat University – India
* IBM Blockchain Essentials

(https://www.youracclaim.com/badges/c9a275a5-c9e4-430b-af94-03a334cc0b4c)

TECHNICAL SKILLS

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| --- | --- |
| Technologies: | NodeJS, Angular 1.5/2.0/4.0/12, Typescript, ASP.Net, SSRS, Enterprise Library, Entity Framework 4.0, MVC 3.0, Unity Framework, WCF, IBM Bluemix, Blockchain, Hyperledger Fabric, Ethereum, Docker, Git, TFS2017, .net core |
| Languages | C#, JavaScript, TypeScript, GO, Solidity, SQL, Shell Scripting |
| Cloud technologies | IBM Bluemix, MS Azure |
| Database | Oracle, MySQL, MS SQL Server 2015/2012/2010 |
| IDE’s | Visual Studio 2017/2015/2013/2010, Visual Studio Code |
| Operating Systems | Windows Vista/7/8, UNIX, Linux, Mac |
| Version Control | GIT, TFS |
| Unit Testing | Jasmine, SpecFlow, Karma |

# **PROFESSIONAL EXPERIENCE**

Infomatics Inc.

Client: Signature Aviation, Charlotte, NC June 2021 – Till Date

Project: PCM 2.0

This application is used for flight support activities and 2.0 is new migration in microservices based architecture. It provides features like Payment Management, Fuel Management, Maintenance and Repairs.

Responsibilities:

* coding using .net core 3.1, C#, Angular 12, SQL Server (experience pulling data, select statements, and queries), GIT skills and testing the applications, also works on deployment using automated build and release.
* Managing the Azure CI/CD for applications under PCM 2.0 project.
* Communication with different Payment Gateway providers to support implementation of Payment Gateways in Application.
* Working on configuring permissions for application’s security.
* Working on Infrastructure planning for application deployment.
* Analysis on legacy application code and create appropriate solutions for new version.
* Configuration of nuget packages for different modules which can be used in other applications.
* Working on Source Code management and code review using Git.
* Working on writing unit test cases and integration test cases.

Environment: .NET Core 3.1, C#, SQL Server, JavaScript, Angular 12, HTML, CSS, AJAX, Git, MS Azure DevOps.

Client: Wells Fargo, Charlotte, NC May 2019 – May-2021

Project: Compliance Technology Reporting Portal

This application is used by the Enterprise Testing and Validation team and it provides access to a compliance testing framework and test data for Consumer Control Organization and Home Lending Testing Teams.

Responsibilities:

* Acts in the highest-level technical role as an individual contributor and/or team lead for the most complex computer applications and/or application initiatives.
* Utilizes a thorough understanding of available technology, tools, and existing designs.
* Works on the most complex problems where analysis of situations or data requires evaluation of intangible variance factors.
* Plans, performs, and acts as the escalation point for the most complex platform designs, coding using ASP.net, C# .NET, SQL Server (experience pulling data, select statements, and queries), ISS, TFS skills and testing the applications, also works on deployment using automated build and release.
* Leads most complex multiple modelling, simulations, and analysis efforts.
* Acts as expert technical resource to programming staff in the program development, testing, and implementation process.
* Working on application documentation for build and release management and also works on Sunrise process.
* Working different tools like PAC200, IAM, ART, and HP Fortify Scan to comply with all banking standards.
* Working on Source Code management and code review using Git and TFS
* Working on converting application from asp.net webforms to .net core application.
* Working on Infrastructure planning for application deployment.
* Experience as a Lead on handling small team with onsite and offshore team..

Environment: ASP.NET 4.0, C#, VB, SQL Server, JavaScript, jQuery, HTML, CSS, AJAX, Git, TFS, .net core, MS Azure.

Client: Jabil Circuit, FL/MI Aug 2018 – Mar’2019

Project: Bill of Material

This application is for Procurement and Inventory for different parts. It also tracks the supplied parts from different suppliers and it also generates visual charts and reports.

Responsibilities:

* Involved in application development using Microsoft Asp.Net, C#, MVC, Entity Framework, MS SQL Server, JavaScript and jQuery technologies for Jabil Circuit client.
* Wrote and debugged code using Microsoft Visual Studio.
* Used Microsoft Team Foundation Server as a version control tool and for deployment process.
* Was involved in managing Microsoft SQL Server database.

Environment: ASP.NET 4.5, C#, SQL Server, JavaScript, Bootstrap, HTML, CSS, AJAX, Json, TFS, Visual studio, jQuery.

Capgemini Technology Services, India Aug’ 2016 - Jun’2018

Blockchain/Front-End Developer

Project 1: Blockchain Initiative

It is initiative started by department for Blockchain platforms like Hyperledger fabric, Ehtereum. We have created POC projects for Farm to Fork, Procure to Pay, Inter Company and Vehicle traceability for different customers.

Responsibilities:

* Involved in implementing proof of concept [POC] on the Ethereum Platform and Hyperledger Fabric platform.
* Involved in the process of writing a contract, compiling it and deploying it in the development environment
* Developed and deployed the Smart contracts in Ethereum network and Hyperledger Fabric network.
* Used Solidity and GO Programming to write SmartContract
* Involved in creating a Web Page to interact with the contract
* Used HTML/CSS/JavaScript, Nodejs and Web3.js to interact with Blockchain
* Through understanding of various consensus methodologies

Environment: Angular 4, Blockchain, Hyperledger Fabric, Docker, GO, Ethereum, metamask, geth, web3js, JavaScript, Typescript, Bootstrap, HTML, CSS, AJAX, Json, Git, Visual studio, jQuery, MS Azure.

Project 2: Volvo Cars Retails Services

This application is about to provide a User interface to the VCRS Distributors and Retailers for selling parts of cars online. It also manages the inventory of parts and customers as well as number plate registry with Sweden government database.

Responsibilities:

* Design & developed the Responsive web application using Angular 1.5, AJAX, JavaScript, jQuery, CSS, Developer Tool technologies.
* Involved in Requirement gathering phase in order to gather the requirements from the business users and dealing with UX team to continuously accommodate changing user requirements.
* Working in the Agile/Scrum development environment with frequently changing requirements and actively participated in scrum meetings and reviews.
* Used Firebug, Fiddler and Developer tools for debugging.
* Development of Client Side Validation techniques using Angular.
* Implemented angular Life Cycle Hooks
* Consumed server side REST web services and called them from angular Component.
* Developed a RESTful APIs using Asp.net and C#.
* Written unit test cases in Jasmine, karma and specflow.
* Performed code check-in, check-out, merging and branching into TFS and stayed up-to-date along with the team.

Environment: Angular 1.5, JavaScript, Typescript, Bootstrap, HTML, CSS, AJAX, Json, Agile, Git, TFS, Visual studio, jQuery.

Tata Consultancy Services, India Jun’ 2014 -Jul’ 2016

.Net Developer

Project 1: Product Technology Request

PTR is the web based application which allows the Delivery managers to create the request for any new development changes or for new development. Then he can assign the same request to different “Developer”, “Testers” and “Project Managers”. Based on the resource assignment, the resources have to work on that request in the given estimates.

Responsibilities:

* Implemented application using Microsoft Asp.Net, C#, MVC, Entity Framework, MS SQL Server, JavaScript and Angular 2.0 technologies for Lashgroup client.
* Wrote and debugged code using Microsoft Visual Studio.
* Used Microsoft Team Foundation Server as a version control tool and for deployment process.
* Created Unit test cases with Specflow testing framework.
* Was involved in managing Microsoft SQL Server database.
* Used Bootstrap, Html and CSS to design the application pages.

Environment: Angular 2, Asp.net 3.5, C#, SQL Server, JavaScript, Typescript, Bootstrap, HTML, CSS, AJAX, Json, TFS, Visual studio, jQuery.

Project 2: Thera call 1.0

Theracall is a Desktop application which are launched and set up for various Lash Group clients. The product deals with only specialty Drug and maintains the Data for its Pharmaceuticals Companies. Lash Group is a pioneer in designing solutions for reimbursement- related to pharmaceutical companies, medical device manufacture, biotechnology firms and payers.

Responsibilities:

* Implemented Application Using Microsoft Asp.Net, C#, MS SQL Server.
* Wrote and debugged code using Microsoft Visual Studio.
* Used Microsoft Team Foundation Server as a version control tool and for deployment process.
* Was involved in managing Microsoft SQL Server database.
* Used Html and CSS to design the application pages.

Environment: Asp.net, C#, SQL Server, JavaScript, HTML, CSS, AJAX, Json, TFS, Visual studio, jQuery.

Bcod Web Solutions Pvt Ltd, India Aug’ 2010 – May’ 2014

.Net Developer

Project 1: Artwork Job

This project is about creating artworks online and printing artworks by hoarding suppliers.

Responsibilities:

* Implemented application using Microsoft Asp.Net 4, C#, MVC, SSRS, LINQ, Entity Framework, JavaScript technologies.
* Used NUnit to write Unit test cases for different applications.
* Written Database in MS SQL.
* Wrote and debugged code using Microsoft Visual Studio.
* Used Microsoft Team Foundation Server as a version control tool and for deployment process.
* Used Html and CSS to design the application pages.
* Written unit test cases using Specflow.

Environment: Asp.net, C#, MVC, SSRS, LINQ, Entity Framework, SQL Server, JavaScript, HTML, CSS, AJAX, Json, TFS, jQuery, Visual studio.

Project 2: Remittance

This project consist online money transfer with different bank’s account.

Responsibilities:

* Implemented application using Microsoft Asp.Net 3.5, C#, JavaScript and jQuery technologies.
* Written Database in MS SQL.
* Written technical document for application.

Environment: Asp.net, C#, SQL Server, JavaScript, jQuery, Visual studio.

Project 3: Online Insurance (Future Generali India)

This project consist of two parts one is the corporate website which is content management system. And the other part is to buy the life and general insurance.

Responsibilities:

* Implemented application using Microsoft Asp.Net 3.5, C#, JavaScript and jQuery technologies.
* Written Database in MS SQL and written functions, procedures, triggers in MS SQL.
* Wrote and debugged code using Microsoft Visual Studio and firebug.
* Used fiddler and postman to test APIs.
* Used Microsoft Team Foundation Server as a version control tool and IIS for deployment.
* Used Html and CSS to design the application pages.

Environment: Asp.net, C#, SQL Server, JavaScript, HTML, CSS, AJAX, Json, TFS, jQuery, Visual studio.

Project 4: Ip Camera

Remote Administration of a location using live or recorded feeds from IP Camera. Provide user to login to the online application to view the live feeds of the IP Camera installed at any location in the world and registered with the online application. Also, user can record the activities using the IP Camera.

Responsibilities:

* Implemented application using Microsoft Asp.Net 3.5, C#, JavaScript and jQuery technologies.
* Used VSS as a version control tool.
* Used RTSP protocol to implement live streaming in application.

Environment: Asp.net, C#, JavaScript, HTML, CSS, AJAX, Json, jQuery, Visual studio.

Project 5: Flight Booking (Pay point India)

Booking of Flights by authorized Reseller of the Company. Provides search facility to get list of flights for specific date and book ticket for the customer.

Responsibilities:

* Implemented application using Microsoft Asp.Net 3.5, C#, Web Services, JavaScript and jQuery technologies.
* Integrated third party APIs.
* Wrote and debugged code using Microsoft Visual Studio.
* Used Microsoft Team Foundation Server as a version control tool and IIS for deployment.
* Used third party jQGrid library for grid.
* Used Html and CSS to design the application pages.

Environment: Asp.net, C#, Web Services, SQL Server, JavaScript, HTML, CSS, AJAX, Json, jQuery, Visual studio.

Project 6: Bus Booking (Pay point India)

Booking of Bus tickets by authorized Reseller of the Company. Provides search facility to get list of buses on specific routes and specific date and book ticket for the customer.

Responsibilities:

* Implemented application using Microsoft Asp.Net 3.5, C#, Web Services, JavaScript and jQuery technologies.
* Integrated third party APIs.
* Created technical document for the application.
* Used fiddler and postman to test APIs.
* Used Microsoft Team Foundation Server as a version control tool and IIS for deployment.
* Used Html and CSS to design the application pages.

Environment: Asp.net, C#, Web Services, SQL Server, JavaScript, HTML, CSS, AJAX, Json, jQuery, Visual studio.

Project 7: Mseb Bill Collection (Pay point India)

This project is about to collect the electricity bill online.

Responsibilities:

* Implemented application using Microsoft Asp.Net 3.5, C#, Web Services, JavaScript and jQuery technologies.
* Wrote and debugged code using Microsoft Visual Studio.

Environment: Asp.net, C#, Web Services, JavaScript, jQuery, Visual studio.

Project 8: Cinema Booking (Pay point India)

Booking of Movie tickets by authorized Reseller of the Company. Provides search facility to get list of movies at various Theatres of FAME and INOX for specific date and book ticket for the customer.

Responsibilities:

* Implemented application using Microsoft Asp.Net 3.5, C#, Web Services, JavaScript and jQuery technologies.
* Integrated third party APIs.
* Wrote and debugged code using Microsoft Visual Studio.
* Created use case diagrams for the application.
* Used Microsoft Team Foundation Server as a version control tool and IIS for deployment.
* Designed application architecture.
* Used Html and CSS to design the application pages.

Environment: Asp.net, C#, Web Services, SQL Server, JavaScript, HTML, CSS, AJAX, Json, jQuery, Visual studio.

Project 9: Core (Crisil India)

This product is also known as CORE, and it is about to measure the risk and define different risk factors for risk in any organization. In any organization there are many locations and in any location many units are defined. In these units there are many processes which are allocated. On this processes there might be some risk. So we can identify the risk factor on this risk which are related with different processes and can cover up the expected loss.

Responsibilities:

* Implemented application using Microsoft Asp.Net 3.5, C#, Web Services and JavaScript technologies.
* Used Enterprise library.
* Wrote and debugged code using Microsoft Visual Studio.
* Used VSS as a version control tool and IIS for deployment.
* Used Html and CSS to design the application pages.
* Created use case diagrams.
* Performed testing for the application.
* Used MS SQL server for DB and written functions, procedures and triggers in DB.

Environment: Asp.net, C#, Web Services, SQL Server, JavaScript, Visual studio.

Project 10: E-Sign Documents ([www.Signdoc.Com](http://www.signdoc.com))

This project is about the ESigning the documents based on Users criteria. The flow is – One user creates a document and sends it to another user to sign or approve that document. And another user when get that document he will have to check the document and apply his sign.

Responsibilities:

* Implemented application using Microsoft Asp.Net 2.0, C#, AJAX, Web Services, JavaScript and jQuery technologies.
* Wrote and debugged code using Microsoft Visual Studio.
* Used VSS as a version control tool and IIS for deployment.

Environment: Asp.net, C#, Web Services, SQL Server, JavaScript, Visual studio.