**Nishant Gupta**

Full Stack Developer

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**PROFESSIONAL SUMMARY**

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* Highly-skilled Full Stack development professional with 18+ years in software design, development and maintenance using various front & back-end Technologies.
* Extensive Experience as a full stack developer with front-end Angular and .Net WebAPI using technologies like Angular 16, Net 6, C#, MVC, Entity Framework,
* Also Extensive Experience as a full stack developer with both front-end and back-end in .Net technologies using ASP.Net, C#, MVC, Entity Framework, HTML5, CSS, JSON, XML, Javascript
* Strong expertise and development of database objects like tables, views, stored procedures using SQL Server/Oracle. Extensive working knowledge in creating indexes, triggers, constraints, sql jobs, performance tuning e.t.c.
* Extensive proficiency in data transformation using SSIS & Sql Server
* Working knowledge of Azure Devops (CI/CD) and Azure cloud (Azure databases/services). Knowledge of Docker
* Knowledge of NoSQL databases.
* Leveraged Agile methodologies to support the SDLC process.
* Continuously exploring new tools and methodologies to enhance development processes and improve application performance.

**SKILLS**

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**Web Technologies**: Angular16, HTML5, CSS3, JSON, XML, Javascript, .NET framework (4.6, 4.0), ASP.Net, .Net Core (6.0, 3.0), MVC, Web API, LINQ, Web Services, WPF, Windows Forms, Bootstrap, Restful Services, AJAX, Azure, jQuery, Razor, Blazor, Docker

**Languages**: TypeScript, C#, HTML 4/5, VB.Net

**Scripting Languages**: JavaScript, PowerShell

**Database**: SQL Server (2016, 2012), Oracle 10g, NoSQL (MongoDB)

**IDE**: VS Studio (2022, 2019, 2015), VS Code, SQL Server Management Studio

**Source Control**: Team Foundation Server (TFS), Git, VSS

**Reporting**: Crystal Reports, SSRS

**ETL**: SSIS, Cognos

**RELEVANT WORK EXPERIENCE**

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Blue Cross Blue Shield of Michigan | Detroit, MI March 2007 – Till Date

Advanced Software Engineer

As part of the auditing department, I developed and maintained applications to manage claims and recover payments from providers. My development efforts contributed to recovering over $10 million annually. Additionally, I streamlined business processes, resulting in significant efficiency and productivity gains

* **Project1** - Developed an Angular application to manage provider claims, conduct audits, and deliver claim decisions. Also built a rules-based screener for selecting claims to audit. This application used a .Net WebAPI back-end. This application was developed using Visual Studio Code, Angular, .Net WebAPI & SQL Server 2016
  + Performed the role of team lead and senior developer for this project. Requirements were known from legacy application so performed work on new system design and architecture
  + Created multiple angular components, directives (structural & attribute), validators (client-side validation) & other features.
  + Used services for making API calls and using DI to inject data into components.
  + Extensive use of RxJs library for asyc operations and keeping state throughout the application
  + Implemented Angular router to navigate different components in the application. Also used route-guards to activate and deactivate routes
  + Used Angular “Material” library for several UI components like Datepicker, Progress bar e.t.c.
  + Worked on different parts of .Net WebAPI, I configured several middleware components to manage the request/response flow. I also created controllers and data model classes to handle data requests & operations from the Angular front-end
  + Used Entity Framework “Database First” approach to manage database access and created model classes. Also used LINQ queries for CRUD operations
  + Using SQL Server, created many db objects like tables, views, stored procedures, indexes
  + Using tdd methodology, created many test cases for both front-end (Karma & Jasmine) and back-end (XUnit & moq)
  + Implemented extensive CSS styling throughout the application for dynamic design and layout
  + Used Agile Scrum framework to organize and manage our software development. Sprint planning was used to manage/track user stories, tasks & work items
  + Used Azure Devops pipelines to automate builds and releases
* **Project2 -**Design & built an Angular Application for an in-house data warehouse solution using ASP.NET WebAPI as back-end service application using Angular, .Net WebAPI & SQL Server 2016 with Visual Studio Code’
  + Performed the role of senior developer for this project. Requirements were known from legacy application so performed work on new system design and architecture
  + Created multiple angular components, directives (structural & attribute), services, used RxJS for asyc operations & keeping state throughout the application
  + Implemented routing & route guards using Angular router
  + Worked on different parts of .net WebAPI, I implemented the middleware configuration and created controllers and data model classes
  + Using SQL Server, I did extensive database changes and used “Database First” approach in Entity framework to create model classes. Used LINQ queries for CRUD operations.
  + Using tdd methodology, created many test cases for both front-end (Karma & Jasmine) and back-end (XUnit & moq)
  + Implemented extensive CSS styling throughout the application for dynamic design and layout
  + Used Agile Scrum framework to organize and manage our software development. Sprint planning was used to manage/track user stories, tasks & work items
  + Used Azure Devops pipelines to automate builds and releases
* **Project3-** Developed a web application using jquery plugin (jtable.org), WebAPI back-end and SQL Server 2016
  + Performed the role of senior developer for this project. Requirements were known from legacy application (developed in ColdFusion) so I created new system design and architecture
  + The **jtable Jquery plugin** is a data grid component. I conducted an in-depth analysis of this plugin to understand its core functionality.
  + Implemented extensive modifications to add several features which were lacking from the plugin out-of-the-box for improved performance and functionality. Added filtering capabilities, export to excel, in-line editing and many others
  + Added a .Net WebAPI layer to perform CRUD operations using controllers, model classes, Entity framework and LINQ queries.
  + Used Agile Scrum framework to organize and manage our software development. Sprint planning was used to manage/track user stories, tasks & work items
* **Project4-** Designed and created an ASP.NET application to process claims for payment, utilizing .Net core, MVC, and SQL Server 2016
  + Performed the role of senior develop for this project. Gathered user requirements, created the system design and architecture documents.
  + I configured several middleware components to manage the request/response flow. For eg. Authentication, Authorization, Routing, custom Exception Handling e.t.c.
  + Using MVC design pattern, I created several controllers, views and data model classes ensuring a clean separation of concerns. I implemented complex business logic in controllers, designed responsive and user-friendly views, and developed efficient data models to support robust CRUD operations and optimize application performance
  + Used data annotations in model classes for client-side validations
  + Used Entity Framework “Database First” approach to manage database access and created model classes. Also used LINQ queries for CRUD operations
  + Extensively used various state management techniques like session state, viewdata, viewbag, cookies.
  + Using SQL Server, created many db objects like tables, views, stored procedures, indexes
  + Using tdd methodology, created many test cases using XUnit & moq frameworks
  + Implemented extensive CSS styling throughout the application for dynamic design and layout
  + Used Agile Scrum framework to organize and manage our software development. Sprint planning was used to manage/track user stories, tasks & work items
  + Used Azure Devops pipelines to automate builds and releases
* **Project5 -**Migrated a WPF application to ASP.NET platform, enabling audit document management, reporting for vendors & internal department. Implemented with .Net Core, MVC, SQL Server 2016 and Visual Studio 2019
  + Performed the role of senior developer for this project.
  + Analyzed the legacy WPF architecture to map out MVC-based equivalents, ensuring a smooth migration of core functionalities like document upload, role-based access, and audit tracking.
  + Built controllers, views, and models in ASP.NET Core MVC to handle core audit functions, including document storage, search, and retrieval
  + Used Entity Framework “Database First” approach to manage database access and created model classes. Also used LINQ queries for CRUD operations & also sorting, filtering e.t.c.
  + Used data annotations in model classes for client-side validations
  + Integrated third-party tools for document processing (e.g., PDF libraries) to support various document formats
  + Used Azure Blob Storage for document storage, allowing the system to handle large file sizes while minimizing server storage costs
  + Created/Modified many db objects like tables, views, stored procedures, indexes in SQL Server 2016
  + Using tdd methodology, created many test cases using XUnit & moq frameworks
  + Implemented extensive CSS styling throughout the application for dynamic design and layout
  + Used Agile Scrum framework to organize and manage our software development. Sprint planning was used to manage/track user stories, tasks & work items
* **Other Projects** - Over 10 years of experience in ETL solutions for performing data transformation & migration.
  + Designed and implemented ETL solutions using Microsoft SSIS to load data into a centralized database from various vendor sources
  + Performed data profiling and analysis to identify data quality issues and implemented corrective actions.
  + Wrote complex SQL queries and stored procedures to support data extraction and transformation tasks
  + Also wrote SSIS packages to provide data exports to external vendors.

**Technologies used**: Angular, RxJS, CSS3, HTML5, Jquery, JSON, XML, MVC, authentication, role-based authorization, Entity Framework, Dependency Injection, ADO.Net, View Components (Custom Grids), Razor, LINQ, SSIS

FMF Capital | Southfield, MI Jan, 2005 – March, 2007

Solutions Engineer

As part of a subprime mortgage company, I developed and maintained applications supporting the entire loan lifecycle from origination to servicing

* Developed and maintained a Windows application for managing mortgage applications from loan origination to servicing. Built using VB.Net, SQL Server 2005 and Visual Studio 2003.
* Created a Windows Service to interface multiple systems and handle daily data migrations. Implemented using VB.Net and SQL Server 2005, and Visual Studio 2003
* Created an intranet website for users to add, modify or view business user Information, using ASP.Net and SQL Server 2005 and Visual Studio 2003
* Provided application support and performed changes for MS Access 2002 application developed with **front-end** MS Access and back-end SQL Server 2005.

**Technologies used**: VB.Net, ASP.Net, ADO.Net, MS Access, CSS, HTML, SOAP, XML

**EDUCATION**

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Masters of Science, University of Michigan, Dearborn MI Sept 2000 – June 2002

**Major**: Computer and Information Science

Bachelors of Science, Wayne State University, Detroit, MI Sept 1995 – Dec 1998

**Major**: Computer Science