

## RESUME

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**Vinod Kumar Pal**

### PROFESSIONAL SUMMARY

- Over **8+ years** of experience in designing, develop software, and Unit Testing n - Tier Client/Server Web-based Applications using **Microsoft .NET Framework** and **Ms Sql Database** with **Agile** and **Waterfall Development** Methodology.
- Developed and maintained **microservices using .NET 6**, enhancing the modularity and scalability of enterprise applications.
- Led the front-end development of complex web applications using **Angular 17**, ensuring high performance and user-friendly interfaces.
- Designed and implemented **CI/CD** pipelines using **Jenkins**, automating the deployment processes and reducing manual efforts.
- Integrated **SQL Server** databases with .NET applications, optimizing queries and improving data retrieval times.
- Utilized **RabbitMQ** for handling asynchronous tasks, improving the system's responsiveness and reliability.
- Monitored application performance and resolved issues using **Kibana** and **Elasticsearch**, ensuring system uptime and efficiency.
- Collaborated with cross-functional teams in an Agile environment to deliver high-quality software solutions on time.
- Hands-on experience in domains like – Smart Homes, Banking, Insurance, Telecom and have the strong analysis.
- Data Binding using jquery and JavaScript templating programming.
- Experience in designing and implementing **Single Page Application** with **Angular**.
- Experience in version control with **Git, BitBucket & SVN**
- Ability to learn & develop using new technologies quickly.
- Ability to take and give directions, instructions and provide assistance through completion of tasks for project management and work in parallel programming.

### Work Experience

Currently Working: Harman Connected Services	Technical Lead - Product Development	Since 12/21 to present
Previous Working : Capgemini Information Technology & Services	Consultant	Since 03/20 to till 12/21
Previous Working : Ideaplunge Solutions LLP	Application Developer	Since 03/19 to 02/20
Previous Company : EvolutionCo Digital & interactive Consultancy Pvt. Ltd.	Dot Net Developer	Since 12/17 to 02/19
Previous Company : Softage Software Solution Pvt. Ltd.	Junior S/W Developer	Since 07/16 to 11/17

TECHNICAL SKILLS	
Microservices	Design and implementation, API Gateway, Docker, Kubernetes
Back-End Technologies	.NET 6, C#, ASP.NET Core, RESTful APIs, SignalR
Front-End Technologies	Angular 17, HTML5, CSS3, TypeScript, JavaScript, Bootstrap, JQuery
Databases	SQL Server, Entity Framework
DevOps & CI/CD	Jenkins, Docker, Kubernetes, Git, Azure DevOps
Monitoring & Logging	Kibana, Elasticsearch
Messaging Systems	RabbitMQ
Cloud Platforms	Azure
Version Control	Git, GitHub, Bitbucket
Others	Agile/Scrum methodologies, Unit Testing, TDD, BDD, Visual Studio, Visual Studio Code, Postman, Swagger, JIRA, Confluence

ACADEMIC QUALIFICATIONS			
Examination	Session	Aggregate (%)	Board/University
M.C.A - Computer Science	07/11 -05/14	70.00%	Sathyabama University, Chennai
B.C.A - Computer Science	07/08- 06/11	65.00%	Dr. VSICS Kanpur

## PROJECTS #1

### Title                      TotalConnect – SmartHomes (TC2)

Project Type        : Web Application

Organization       : Resideo Smart Home Technologies

Environment       : .Net Core API's, .Net 6, C#, Microservices, APIGateway, SQL Server, Angular, RabbitMQ, CI/CD Pipeline, Jenkins, SignalR

March, 2022 – Present

**Total Connect** is a smart home security and automation platform developed by Resideo. It allows users to remotely monitor and control various aspects of their home or business security system, as well as other connected devices.

#### **Here is an overview of my role and responsibility -**

- Lead the development of a microservices-based web application using .NET 6 and Angular 17, improving system scalability and performance.
- Implemented real-time features using SignalR, enabling live updates and interactive user experiences.
- Designed and optimized SQL Server databases, ensuring data integrity and query performance for complex transactions.
- Developed and managed CI/CD pipelines using Jenkins, reducing deployment time by 40% and improving overall code quality.
- Integrated RabbitMQ for reliable message queuing between microservices, enhancing system reliability and fault tolerance.
- Employed ElasticSearch and Kibana for monitoring and log analysis, significantly improving the troubleshooting process and reducing mean time to resolution (MTTR) by 30%.

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## PROJECTS #2

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### Title                      HeartLand InfoCentral - (Global Payments)

Project Type        : Web Application

Organization       : Capgemini

Environment        : .Net CoreWeb API, Microservices, C#, Entity Framework Core, LINQ , Angular 13, RabbitMQ

Synopsis             : InfoCentral is a web application for the Global payments client which we developed based on the software requirements. This application is used by Merchants to handle to transaction. When any transaction happened then merchants can see that transaction in the application. Admin can create a new merchants and merchants can edit, update, view the account. Merchants can validate the transaction by week, month and year. They can process the batch of the transaction

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## PROJECTS #3

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### Title                      P&G India (DMS)

Project Type        : Web Application

Organization       : Ivy Mobility Solutions Ltd

Environment        : Asp.Net MVC, C#, LINQ , Bootstrap, JQuery, Web API

Synopsis             : P&G India is a web application for the P&G client. P&G is biggest FMCG distributor across India. This application is for the distributor where distributor is uploading the details like - product details, user details, route details of the user, retailer details etc with Electronics Engineering device. And seller is going to sell the product to the retailer according to their route plan.

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## PROJECTS #4

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### Title                      Travel Insurance

Project Type        : Web Application

Organization       : Allianz worldwide partner

Environment        : Asp.Net MVC , C#, SQL Server 2014, JQuery, Web API

Synopsis             : Travel Insurance is a Web Based Software with responsive UI design where Allianz partner sells the travel policies to the customer . Travel insurance can usually be arranged at the time of the booking of a trip to cover exactly the duration of that trip, or a "multi-trip" policy can cover an unlimited number of trips within a set time frame. Some policies offer lower and higher medical-expense options; the higher ones are chiefly for countries that have high medical costs, such as the United States. It includes many module like - Partner Registration, Sale policy, Extend policy, Endorse policy, cancel policy, reports, notification, e-mail etc.  
We Design and Development the application based on Software Design and controls.

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## PROJECTS #7

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**Title**                      **Teledoc Management System**

Project Type        : Web Application  
Organization       : Softage Information Technology Ltd.  
Environment        : Asp .Net 4.0, JQuery, Sql Server.

Synopsis             : **Teledoc** is a major project of client **Vodafone**. it includes many modules like Pickup Entry, Form Audit, Form Entry , Reports. This project is for Telecom Company Data Entry. This ASP.NET web application is going on in my current company with Technical Specifications. I developed many modules and procedures of this project like Infra Checklist, Teledoc Impact Report, Distributor Creation, etc. . . .

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## Declaration

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I hereby declare that the information given above is true to the best of my knowledge and belief and can be supported with reliable documents when needed.

Date:

Place:

(Vinod Kumar Pal).