

# Gopal Vemulapalli

SC cleared Full Stack .Net Developer

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## Profile

 **Security-cleared** Full Stack .NET Developer with 19+ years of extensive experience designing, developing, and architecting innovative web applications, **REST APIs**, and enterprise integrations. Proven track record working with leading organizations including **Landmarc (MoD projects)**, **Microsoft**, and **Accenture**. Expertise spans across .NET/.NET Framework, **C#**, SQL Server, **Azure** services, front-end frameworks like **Angular** and **React**, and DevOps practices. Skilled in leading technical teams, mentoring developers, and driving Agile practices.

## Employment History

 **Sr Application Developer (Contractor)**  
**Landmarc Support Services, Salisbury, UK**

September 2014 — Present

At Landmarc, I have been responsible for building, developing, and maintaining a range of web applications and REST APIs using both server and client-side technologies. My work spans various projects, where I have contributed to designing scalable solutions, optimising performance, and ensuring seamless integrations.

Key assignments:

### BAMS (Bidding and Allocation Management System)

*C#, SQL Server, Elasticsearch, REST APIs, AngularJS, React and Typescript*

- Designed and developed a scalable **Microservice** architecture solution, integrating UI, application, and API layers.
- Led the team, overseeing the development of Single Page Applications (**SPA**) using AngularJS, React, and TypeScript.
- Developed Restful **Web APIs** for business logic and JSON schema validations with SQL Server and Elasticsearch backends.
- Used **Identity Server** OpenID Connect (OIDC) to implement authentication and authorisation including SSO.
- Conducted **unit testing** using NUnit, SpecFlow, and Moq to ensure code quality.
- Installed and configured **Elasticsearch cluster** for enhanced search capabilities.
- Improved application performance by moving resource intensive tasks to **console** applications to run in the background on a schedule.
- Set up and configured on-premise **Azure DevOps** environment, including migrating between DevOps environments via DevOps APIs.

## Skills

.Net 8/.Net Core, .Net Framework

ASP.NET Web API, Kafka, SOAP

ASP.NET MVC, Blazor, ASP.NET  
Web Forms

EF/EF Core, LINQ-to-SQL,  
ADO.NET

Angular/AngularJS, React, jQuery

Azure App Services, Azure  
storage, Function Apps

MS Test, Moq, NUnit

SQL 2005-2019, Elasticsearch

Azure DevOps, GIT, TFVC

ReSharper, SonarLint, Postman,  
NodeJS, PowerShell

AGILE (Scrum), TDD/CI

GitHub Copilot, Cursor

## CAFM (Computer Aided Facility Management)

*C#, SQL Server, .Net 8, ASP.Net Core, EF Core and REST API*

- Designed and built a secure, high-performance **REST API** to handle large volumes of JSON messages.
- Developed a message processor for seamless data validation and exchange between Landmarc's internal systems and DIO CAFM (**MoD**).
- Optimised **SQL Server performance** by tuning queries through meaningful indexes.
- Implemented solution for over growing database by periodic archiving.
- Integrated **YAML-based connected services** to generate C# API clients.
- Ensured robust **unit testing** using MS Test.

## BWS (Billable Works Service)

*C#, .Net, .Net Framework, SQL Server, EF, AngularJS, MVC*

- Led the design and development of this business-critical application. which generates the highest revenue for Landmarc, enhancing operational **efficiency**.
- Worked closely with Product Owner, BA, and commercial director in defining the design E2E, cost-effective technology solutions ensuring the solution is aligned with Landmarc's strategies, architectural patterns.
- Developed **Web API** using Entity Framework with **code-first migrations**.
- Built a **dynamic web application** with ASP.NET MVC views and AngularJS.
- Optimised application performance through **caching, pagination, and EF lazy loading**.
- Conducted comprehensive unit testing using NUnit and Moq.
- Collaborated with business users to gather requirements and provide updates during **Agile sprints**.
- Functioned as a single point of contact for senior stakeholders within the programme.

## Other Key Projects:

- Supply Chain Management (Azure)
- Customer Satisfaction Survey (Azure)
- Purchase Order System (on-premise)

## Cross-Project Responsibilities and Contributions:

- Provided **technical leadership** for multiple projects from design to release.
- **Agile Leadership:** Led sprint planning and retrospectives, ensuring smooth development cycles.
- **Mentorship & Code Quality:** Conducted **code reviews**, mentored junior developers, and enforced best practices. Used ReSharper and SonarLint to detect bugs, code smells, and security vulnerabilities.
- **DevOps & Automation:** Configured **DevOps CI/CD pipelines**, streamlining build and deployment processes.
- **PowerShell Scripting:** Developed scripts for data restoration in test environments.
- **Package Management:** Created and published internal **NuGet** and **NPM** packages.
- **Enterprise Integrations:**
  - Integrated with on-premise **MS NAV** and **Business Central** in **Azure**.
  - Implemented document search and retrieval from **ASite in Azure**.
  - Developed API to save and retrieve documents from **SharePoint**.
  - Built **SOAP** service for data exchange with DIO IMS.
- **Azure Services:**
  - Deployed **web applications and APIs using Azure App Services**.

- Secured APIs with app registrations and secrets stored in Azure Key Vault.
- Developed server less **Azure Function App** for scheduled client secret monitoring.
- Configured **Azure Monitoring** services i.e. Application Insights, log streams, metrics, and alerts to diagnose and report issues.
- Integrated applications hosted in Azure with **Graph API** to send emails.



## Senior Software Engineer (Contractor) - Environment Agency, Bristol, UK

June 2008 — August 2014

C#, ASP.Net Web, KnockoutJs, jQuery, SQL Server, XML

- Designed and developed complex, interactive web pages using MVC Razor, jQuery, Knockout, and JavaScript, enhancing user experience and functionality.
- Implemented **Test-Driven Development (TDD)** using Moq and NUnit, ensuring robust, maintainable code with high test coverage.
- **Optimised database performance**, handling code-first migrations, schema design, query tuning, data migration, and stored procedures
- Developed dynamic data upload functionality using **XML with XSD validation**, improving data integrity and flexibility.
- Integrated secure **payment processing** via WorldPay and Barclays EPDQ, ensuring compliance with financial regulations.
- Implemented spatial data visualisation by integrating **ArcGIS Server**, enhancing geospatial analysis capabilities.
- Customised Telerik Sitefinity **CMS** and improved user engagement by enabling efficient content management.
- Designed and implemented an audit framework using **CLR triggers** in SQL Server, ensuring data integrity and compliance.
- Developed and integrated **ASP.NET Web Services**, enabling seamless data exchange between enterprise applications.



## Team Lead - Accenture Services Private Ltd, Hyderabad, India

November 2006 — March 2008

C#, ASP.Net Web Forms, MS CRM, XML

- Developed a web portal for JLL (UK), integrating with **MS CRM** via web services to streamline business processes.
- Led a team of developers, providing **technical mentorship** and ensuring adherence to best practices.
- **Managed project deliverables**, ensuring on-time completion while maintaining high-quality standards.
- Collaborated with cross-functional teams, aligning **technical solutions with business objectives**.
- Designed and built the MS CRM web interface using C# and ASP.NET 2.0, enhancing usability.
- Created an **XML Web Service** to enable seamless interaction with CRM applications.
- Developed reusable helper classes in C# for efficient CRM and web integration.
- Designed and implemented **SSIS packages**, automating data transfer between systems. Customised and configured CRM solutions, including **Callouts** and **Workflows** to automate key processes.



## Sr Software Engineer - Tech Mahindra (Satyam Computers), Hyderabad, India

April 2005 — September 2006



## Education

Bachelor of Engineering, Osmania University, Hyderabad, India