

Vamsi Malla

Associate Architect - Technology

Highly skilled IT professional with 14+ years of experience in architecting and developing distributed cloud solutions, application development, and seamless service integration. Expertise spans .NET, Azure, Node.js, React.js, SQL, and Angular, delivering scalable, high-performance solutions. Adept at driving innovation, solving complex challenges, and managing risks. A proactive team player and quick learner, staying ahead of emerging technologies. Strong leadership and communication skills, fostering cross-team collaboration. Domain expertise in Restaurant, Transportation & Logistics, Event Management Technology, and Financial Technology.

Core Competencies

- Requirement gathering, analysis, technical and design specifications
- Strong expertise in SQL Server and database design, query optimization, and performance tuning.
- Cloud migration strategy designing and planning (Azure/AWS)
- Experience in ETL & Data Integration using tools like Azure Data Factory (ADF), SSIS, and Synapse Analytics.
- Strong understanding of Microservices Architecture.
- Automate continuous development and delivery by implementing DevSecOps practices
- Business process re-engineering, improvement, and process modeling
- Expertise in .NET Core / .NET Framework for building scalable enterprise applications.
- Proficiency in Angular and React.js, NodeJs for front-end development, ensuring responsive and high-performance UI.

Tools and Technologies

- .Net
- Microservices
- React JS, Node JS
- Git/TFS/Jira
- Angular
- SQL
- Azure DevOps
- ETL & Data Integration
- Rest API
- Azure Cloud

Responsibilities

- Architect and designing solutions for business functionalities.
- Designed software engineering diagrams (UML) to articulate technical solutions.
- Lead requirement gathering, solution architecture, development, testing, and support.
- Migrate .NET applications to Azure, optimize cloud architecture and strategy.
- Implemented Azure DevOps CI/CD pipelines for seamless deployment and integration.
- Managed APIs with Azure API Management for secure and efficient communication.
- Identify system issues and pain-points and provide optimal solutions.
- Design and build Modern data solutions using Azure PaaS services for data visualization.

- Extract Transform and Load data from Sources Systems to Azure Data Storage services using a combination of Azure Data Factory, T-SQL and Spark SQL Data Ingestion to one or more Azure Services - (Azure Data Lake, Azure Storage, Azure SQL) and processing the data in In Azure Databricks.

[REDACTED]

[REDACTED] Qualifications

- Bachelor's in electrical and Electronics, Jawaharlal Nehru Technological University, 2005

Achievements & Certifications

- Microsoft Training Sessions. (Azure websites and Cloud)
- GenAI Assisted Engineer Training

Bloomin Brands - OPD - Restaurant – (Jan2021 to till date)	
Role	Associate Architect
Technology	.Net Core 8.0, ASP.Net Web API, Service Fabric Stateless Services, MVC 6.0, Angular/ReactJS, Service Fabric, Cosmos DB, SQL Server
Description	<p>Bloomin' Brands owns the casual dining restaurant chains; Outback Steakhouse, Carrabba's Italian Grill, Bonefish Grill, and Fleming's. OPD is one of the Front of House applications running in stores, that is used for operations related to off-premises dining orders such as takeout, delivery, and catering.</p> <p>Poseidon Enterprise is a platform hosted above-store, in the Azure cloud that provides supplementary services to the in-store application which consist of multiple applications such as reporting, consumer text messaging, and data movement.</p>
Responsibilities	<ul style="list-style-type: none"> • Led overall service delivery of the project, managing onsite and offshore teams to ensure timely execution. • Handled client escalations, collaborated with third-party vendors, and coordinated with product/infrastructure teams to resolve critical production issues. • Engaged in requirement gathering, estimation, architectural design, and implementation of product changes and upgrades. • Managed project risks and issues, identifying and implementing mitigation plans. • Designed and maintained SQL databases, optimizing queries for performance and migrating data from Oracle to SQL Server. • Built and deployed microservices using Azure Service Fabric and implemented Azure App Services for cloud-based solutions. • Developed ASP.NET Web APIs with C# to create RESTful services and conducted unit testing using MS Test. • Designed and implemented ETL processes using Azure Data Factory (ADF), Synapse, and Power BI for report generation. • Converted and refined data into bronze, silver, and gold layers using Databricks for efficient data processing and storage. • Ensured seamless communication and data transfer between VPCs and Azure resources for optimized cloud performance. • Coordinated unit and integration testing, assisted QA teams in bug fixing, and provided technical solutions for system improvements.

	<ul style="list-style-type: none"> Modified existing software to enhance performance, correct errors, and align with new business requirements.
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Bloomin Brands - Puma - Restaurant – (10-2018 to Till Date)

Role	Lead Developer
Technology	MVC, Azure, JavaScript, HTML, CSS, Bootstrap, jQuery, Web API, Microsoft Visual Studio, MS SQL Server, MS Test, Oracle, Windows Services, Azure Service Bus, Graph Api, Nod.js, Angular 14
Description	<p>PUMA – POS Update Management Application.</p> <p>This component is the web application for PUMA that allows users to create and schedule new jobs, create new job templates, monitor job status, and view logs for completed or in progress jobs. It is also used to administrate menu update locations used in the NCM Menu Update job templates to update other information for the point-of-sale system outside of just menus and screens.</p>
Responsibilities	<ul style="list-style-type: none"> Collaborate with onsite managers and customers to define business requirements and change requests. Maintain daily communication with client managers and update development status. Product development is an Agile (SCRUM) methodology, where progress and task assignment are discussed in everyday meetings. Developed RESTful APIs (GET, POST, PUT, DELETE) and tested using Postman. Implemented Azure Active Directory with Graph API for authentication. Configured Azure Load Balancing, App Services, and Cloud Hosting. Hosted messaging services in Azure and automated new customer machine setups using PowerShell scripting. Designed and implemented CI/CD pipelines for seamless deployments using Azure DevOps (VSTS). Implemented SSIS package for pushing the data from oracle db to SQL db in azure. Developed RESTful APIs using Node.js for a microservices-based application. Used Azure Data Factory (ADF) for pulling in information from SQL db in datacenter to sql db in azure Led onsite and offshore teams, ensuring adherence to best practices and timely delivery. Conducted code reviews, peer approvals, and unit testing using MS Test. Maintained and managed source control with GIT. Documented technical designs and provided UI expertise. Debugged, optimized, and enhanced existing software for better performance. Designed and optimized PL/SQL stored procedures, indexes, and constraints for database performance. Implemented robust error handling, logging mechanisms, and reporting standards.

Liberty Global Logistics – Transportation and Logistics – (July 2018 to Sept 2018)

Role	Project Lead
Technology	Angular 4, Azure, Javascript, HTML, CSS, Bootstrap, jQuery, Web API, Microsoft Visual Studio, MS SQL Server, Postman, Jasmine, Karma
Description	Liberty Global Logistics LLC (LGL) is a multi-modal transportation and logistics company, specializing in heavy equipment and rolling stock utilizing a fleet of Pure Car/Truck Carriers (including two modern U.S. flag vessels) and multi-purpose carriers. By delivering global transportation solutions, LGL meets the needs and resolves the daily challenges our customers face in the international supply chain
Responsibilities	<ul style="list-style-type: none">• Design and develop this Web Applications using Angular 6, Bootstrap, HTML/HTML5, JQuery, CSS/CSS3 and MS SQL.• Created Typescript reusable components and services to consume REST API's using RxJS and HTTP provided by Angular• Used Node Package Manager (NPM)• Implemented Client-Side validations, JSON/XML parsing, manipulated DOM Events, Directives, Components, Pipes and Injectable Services.• Used Angular Reactive forms to implement complex forms and performed the validations using form builder• Maintain and manage existing source bases (TFS)• Collecting requirements from clients and accessing the requirements and creating prototypes against the requirements specifications.• Maintaining the version of the project in Team Foundation Server (TFS) by merging the module developed with the latest version in TFS.• Utilized routes for creating SPA (Single Page Application) and implemented Model-View Controller (MVC) pattern.• Controlling Quality of work by doing code review.

RaceDirector Solutions – Event Management & Technology – (May 2016 to June 2018)

Role	Project Lead
Technology	Angular 4, Azure, Sitecore, Javascript, HTML, CSS, Bootstrap, jQuery, Web API, Microsoft Visual Studio, MS SQL Server, Postman, Jasmine, Karma
Description	<p>Race Director Solutions is a fully featured online event platform, which provides a one stop shop for event organizers to easily set up and manages their online presence, enable growth, and streamline the abundant tasks of any event. Race Director Solutions or RDS for short was developed specifically for event managers, incorporating a comprehensive set of features and services that allow you to operate more efficiently and execute your events seamlessly.</p> <p>Born and based out of Colorado, the Race Director Solutions team is comprised of athletes with years of experience in event planning. We pride ourselves on a successful history of promoting and developing well-organized, enjoyable and challenging events. As</p>

	<p>competitive athletes we feel a deep sense of appreciation to be able to fully engage in a company that strives to create the best event management solutions on the planet.</p> <p>RDS is built on the latest web technologies available. RDS leverages the power of Cloud-based Web Services, RESTful API including Elastic Cloud Compute (EC2), Simple Storage Service (S3), and CloudFront to ensure that the RDS platform is fast, secure, and reliable as well as capable of quickly scaling to effortlessly handle tens of thousands of users simultaneously</p>
Responsibilities	<ul style="list-style-type: none"> • Design and develop these Web Applications using Angular 4, Express JS, Bootstrap, HTML/HTML5, JQuery, CSS/CSS3, Angular Materialize and MS SQL. • Created Typescript reusable components and services to consume REST API's using RxJS and HTTP provided by Angular • Implemented Client-Side validations, JSON/XML parsing, manipulated DOM Events, Directives, Components, Pipes and Injectable Services. • Used Angular Reactive forms to implement complex forms and performed the validations using form builder • Created methods (get, post, put, delete) to make requests to the API server and tested Node API's using Postman • Product development is an Agile (SCRUM) methodology, where progress and task assignment is discussed in everyday meetings. • Maintain and manage existing source bases (TFS) • Hosting up of messaging service in Azure • Experience in Cloud Based Technologies (Azure, AWS) • Deploying and Maintenance of the application in Azure • Setting up Load balancing in Azure and Implemented Azure load balancing. • Implemented App Services in Azure. • Collecting requirements from clients and accessing the requirements and creating prototypes against the requirements specifications. • Maintaining the version of the project in Team Foundation Server (TFS) by merging the module developed with the latest version in TFS. • Utilized Angular 4 route for creating SPA (Single Page Application) and implemented Model-View Controller (MVC) pattern. • Implemented ASP.NET Web APIs to create REST SERVICES with C#, Making application as cross platform accessible on mobile devices and tablets. • Implemented the Repository pattern and used Entity Framework for faster and stability to access data and isolate the Data Access Layer. • Involved in DevOps migration/automation process for building and deploying systems.

JIT (Jericho Information Technology) - Financial Technology – (May 2015 to April 2016)

Role	Project Lead
Technology	.Net, Azure, TypeScript, HTML, CSS, Bootstrap, jQuery, Microsoft Visual Studio, MS SQL Server, Postman
Description	<p>With Jericho technology, lenders have the most up-to-date information instantly! They provide solutions that enable businesses to maximize their performance, and that translate into increased profits</p> <p>Jericho Information Technology is a state-of-the-art risk management solution that uses real-time data to provide lenders with tools to track metrics, increase profitability and maintain compliance. By identifying trends, streamlining production and improving sales, JIT helps lenders increase profits...</p>
Responsibilities	<ul style="list-style-type: none">• Involved in creating the prototypes and requirements specifications by understanding and analyzing the requirements• Deployment and maintenance of the application in Azure• DB Design.• Managing Functional Implementation.• Design, Develop, Test, Support and Deploy Web Applications.• Complete application development by coordinating requirements, schedules and activities contributing to team meetings, troubleshooting development and production problems across multiple environments and operating platforms.• Maintain and manage existing source bases (TFS)• Review and Improve Code.• Coordinate with architects and business analysts to determine functionalities.• Develop technical solutions to complex business problems.• Design and develop technical solutions for Enterprise Level Projects.• Design and Develop data analysis solutions.• Implement best practices, standards and procedures including quality and delivery methodologies.• Golang (Go) for scripting.

AIMS - Liberty Global Logistics – Transportation and Logistics – (Nov 2010 to May 2015)

Role	Sr Developer
Technology	MVC, JavaScript, HTML, CSS, Bootstrap, jQuery, ADO.NET Entity Framework, Microsoft Visual Studio, MS SQL Server, Postman
Description	<p>The objective of the Loan Oak Origination Project is to develop a system to store and maintain information about each of the loan opportunities received and reviewed by Lone Oak staff daily. Loan opportunities are typically received through phone calls or emails and can involve any number of properties (including just one). There are also several parties involved in the loan process including borrowers, brokers, secondary lenders, and title/escrow. Currently Lone Oak can receive up to 50 opportunities per day and plans to fund at least 25 loans per month.</p>

	<p>The end-of-state system would be designed to facilitate the unique operational workflow of Lone Oak while being flexible enough to easily adapt to changing business conditions. At a high level, the system would have the following features (in no order of importance):</p> <ul style="list-style-type: none"> • Enter and store all relevant information pertaining to either a loan or the process of evaluating and approving a loan for funding • Ability to easily search across all loans • Generate reports and documents from the system that mimic the documents generated today in a manual fashion • See metrics and statistics defined by the business owners that provide useful and meaningful insight into the data in the system
Responsibilities	<ul style="list-style-type: none"> • Involved in creating the prototypes and requirements specifications by understanding and analyzing the requirements • Using Code first for developing the application. • Used jQuery accordingly for validation purposes, browser detection and controls. • Designing and Developing the User Interfaces using Razor views, HTML, jQuery, Ajax and CSS. • Performed client-side validation using JavaScript, jQuery. • Created Model objects using Entity Data Model with Entity framework. • Utilized Entity Framework technology extensively for data retrieving, querying, storage and manipulation using LINQ. • Implemented ORM Framework Entity Framework Code First Approach with Repository Pattern and its implementation over the Business and Presentation layers. • Used Compiled Queries, Multiple Contexts, Explicit loading, and Save Changes to context after all database operations to improve the performance in Entity F/W. • Used ADO.NET Entity Framework Model as the Data Access Layer (Database First) and implemented the CRUD (Create, Update, Retrieve and Delete) operations, Mapping and executed stored procedures. • Implemented Data Access layer using WCF, Web-API restful services and Entity Framework. • Incorporated REST Web API based an endpoint on the Web Role and exposed bi-directional POST methods. • Developed CSS for the entire application using Bootstrap CSS files. • Maintaining the version of the project in Team Foundation Server (TFS) by merging the module developed with the latest version in TFS. • Pega - Supply Chain & Logistics Automation