Manjunath G

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Executive Summary

Senior Software Engineer with 10 years of experience delivering scalable, high-performance web applications using Microsoft technologies including ASP.NET, .NET Core, C#, SQL Server, and Azure, AI. Adept at building cloud-native systems, architecting backend infrastructure, and integrating modern frontend frameworks such as Angular and React. Proven track record in leading teams, designing robust architectures, and deploying enterprise-grade applications in healthcare, logistics, recruitment, and messaging domains.

Experience Summary

Experienced Software Developer adept in bringing forth expertise in design, installation, testing and maintenance of software systems. Equipped with a diverse and promising skill-set. Proficient in various platforms, languages, and embedded systems. Experienced with the latest cutting-edge development tools and procedures. Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team.

- 10 years of experience in developing web applications using the .Net framework.
- Hands-on experience in application development in ASP.Net, ASP.Net MVC, C#, Web API, Angular, React JS, NodeJS, SQL Server, PostgreSQL
- Experienced in client-side web technologies like HTML, JavaScript and jQuery.
- Good working knowledge in Azure Services such as Function Apps, Logic Apps, Blob Storage, SQL, App Service, ACR, ACI, APIM, Azure Storage Account, Azure Key vault, MongoDB, Micro Services
- Extensively worked with Git, Azure DevOps
- Strong in Object Oriented Programming skills.
- Capable of quick learning to adapt to the latest technological development.
- Ability to work on own initiative and as part of a team to challenging deadlines.
- Strong debugging and problem-solving skills.
- **AI & ML:** Generative AI (Azure OpenAI), RAG-based chatbot development, Vector DBs, Azure Cognitive Services (Vision OCR)

Employment History

Lead Software Engineer at Simplify 3X Software Private Limited, Bengaluru
December 2023 till date

- Designed and architected databases and system architecture from scratch, ensuring scalability, security, and performance optimization.

- Led code reviews and provided mentorship to junior developers, ensuring high code quality and adherence to industry standards.
- Implemented cloud-native solutions leveraging serverless technologies, improving scalability and driving significant cost reductions.
- Developed modular and maintainable code designs, adhering to SOLID principles and best practices for long-term scalability.
- Collaborated with cross-functional teams to ensure seamless integration of system components, aligning with business goals and technical requirements.

Lead Software Engineer at V2 Tech Ventures Pvt Ltd, Bengaluru
January 2023 – November 2023
- Architected a cloud-native system that leverages serverless technologies for improved scalability and cost savings
- Developed a comprehensive set of engineering best practices to improve overall development efficiency
- Conducted code reviews and mentored junior developers to improve code quality and ensure adherence to best practices

Senior Software Engineer at Canarys Automations Pvt Ltd, Bengaluru
February 2019 — November 2022
- Developing robust and efficient code
- Investigating and resolving complex technical issues, utilizing strong problem-solving skills to ensure smooth software operation.
- Employing Agile methodologies to lead sprint planning, stand-ups, and retrospectives, optimizing team efficiency and project outcomes.
- Staying current with industry trends and emerging technologies, and applying new knowledge to improve software development practices.

Software Engineer at DreamOrbit Softech Pvt Ltd, Bengaluru
June 2017 — February 2019
- Developed and maintained software in multiple programming languages
- Improved database performance by 20% through query optimization and indexing
- Configuration of Continuous Integration/Continuous Deployment (CI/CD) pipeline that reduced time-to-deployment
- Experimented with upcoming software stacks and frameworks

Software Engineer at Siddvin Software Services, Bengaluru
April 2014 — June 2017
- Actively engaged in an immersive training program focused on developing fundamental skills in software development and engineering
- Collaborating closely with cross-functional teams, gaining hands-on experience in various phases of the software development life cycle while contributing to real-world projects.
- Collaborating with team members to troubleshoot issues and optimize software functionality
- Contributing to the enhancement of user experience

Projects

Nethealth Healthcare
USA-based customer | **Role: Lead Engineer | Dec 2023 - Sept 2025**

Description
Net Health's Billing Platform, a healthcare-focused solution that helps organizations manage clinical and financial workflows efficiently. Net Health provides specialized EHR (Electronic Health Record) software and billing solutions tailored for outpatient specialty medical providers such as rehab therapy, wound care, and employee health. The project involved enhancing the backend billing engine, optimizing database procedures, and addressing critical bugs to ensure accurate claims management, faster reimbursements, and seamless integration with clinical modules..

Responsibilities:
- Worked on billing module enhancements to support new healthcare billing rules and improve claim processing efficiency.
- Delivered major bug fixes in backend services and optimized stored procedures, triggers, and indexes in the database.
- Performed requirement analysis in close collaboration with product managers and QA teams. Designed and implemented scalable backend logic using C# and .NET Core to improve overall system performance.
- Conducted code reviews and ensured adherence to best practices in API and database development.
- Tuned SQL queries and improved database performance, reducing latency for high-volume billing data.
- Provided production support and resolved critical billing-related issues in a timely manner.

POC: Generative AI-powered Financial Document Chatbot for NetHealth
- Developed a **Retrieval Augmented Generation (RAG)** based chatbot for answering questions over financial documents.
- Integrated **Azure Cognitive Vision OCR** to extract text from multi-format financial documents.
- Implemented embedding generation using **Azure OpenAI** models and stored vector representations in **Azure Cosmos DB**.
- Designed an intuitive **React-based frontend** for chatbot interactions, ensuring an engaging user experience.
- Backend developed in **Python**, leveraging **Flask** for API endpoints and **LangChain** for orchestration.
- Used **GPT-3.5 and GPT-4** for intelligent and context-aware conversation responses.
- Ensured precise and secure Q&A responses with optimized context windows and cost-effective token usage.
- Delivered high accuracy and fast response times, enhancing financial data accessibility for stakeholders.

Business Messaging Platform
Singapore-based customer | **Role: Senior Software Engineer | Jan 2021 - Dec 2022**

Description
Business Messaging Platform was built to support AI based Chatbots for various Industries like Logistics, Restaurants, Healthcare etc., The project involved building the core Business Messaging Platform with interfaces to popular social media apps like WhatsApp, Telegram and then build customer-specific bots to support their individual businesses. These bots were designed to send bulk notifications and manage initial interactions with customers and prospects.

Responsibilities:
- Client Interactions for understanding the requirements.

- Requirement Analysis and Application Architecture
- Platform and AI Bot development
- Generation of innovative ideas for the features
- Team Mentoring
- Code Review
- Performance Tuning
- Exploration of upcoming advancements in AI
- Configuration of CI/CD to Development & Staging environments

Recruitment Management
Bengaluru-based Customer | **Role: Senior Software Engineer** | **Feb 2020 - Dec 2020**

Description
Recruitment Management was designed to streamline the organization's end-to-end recruitment lifecycle, including managing job requirements, candidate hiring, offer releases, and onboarding processes. The system was built with a robust architecture to facilitate smooth interactions between different departments, ensuring efficiency in the recruitment pipeline. The platform utilized modern web technologies for seamless user experience, integrating authentication and authorization mechanisms to ensure security.

Responsibilities
- Architected and developed the Recruitment Management system from scratch, designing the frontend using Angular and the backend with .NET Core and C#.
- Led the design and implementation of the database architecture, ensuring optimal data flow, performance, and scalability.
- Designed and built RESTful APIs for seamless communication between the frontend and backend services, enabling efficient data retrieval and updates across the system.
- Integrated OAuth 2.0 for secure authentication and authorization, ensuring data privacy and secure access control.
- Conducted thorough requirement analysis, working closely with stakeholders to understand the project needs and translating them into technical specifications.
- Innovated new ideas and approaches for implementation, driving efficiency in features such as job postings, candidate tracking, and offer management.
- Held weekly internal demos to showcase development progress, gather feedback, and iterate on the product for continuous improvements.
- Collaborated with cross-functional teams, including HR, to ensure the product met all functional and non-functional requirements.
- Actively maintained the codebase, following best practices for clean architecture, scalability, and maintainability while leveraging dependency injection and modular development.

HealthCare Management Portal
USA based customer | **Role: Senior Software Engineer** | **Feb 2019 - Jan 2020**

Description
Portal for managing patient information, insurance providers, home care providers, home care treatments and the home care scheduling. This was designed to manage the entire workflow from patients initiating the home care procedures, engaging the home care providers, managing the schedules, and disbursing the payments from the Insurance considering the applicable co-pay. This was a software maintenance engagement for bug fixes and new enhancements.

Responsibilities

- Conducted thorough requirement analysis, working closely with stakeholders to understand the project needs and translating them into technical specifications
- Product maintenance and application support
- Creating new features, new modules, enhancements, bug fixes etc. using Angular and the backend with .NET and C#.
- Designed and built RESTful APIs for seamless communication between the frontend and backend services
- Held weekly internal demos to showcase development progress, gather feedback, and iterate on the product for continuous improvements.

Logistics Management Portal
Bengaluru-based Customer | **Role: Senior Software Engineer | June 2018 - Feb 2019**

Description

The Order Management Portal was built for an industry leading provider of order packing, shipping software and other fulfilment solutions for manufacturers, distributors online retailers, third party logistics and others. The logistics software solutions included multicarrier shipping software for domestic and international shipping, order fulfilment software, dimensioning software, shipment consolidation software, delivery tracking and more.

Responsibilities

- Product maintenance and support.
- New enhancements, features and Bug fixes etc.
- Deployment configuration
- End-user training

Medical Tourism Portal
Bengaluru-based customer | **Role: Software Engineer | June 2017 - Feb 2018**

Description

Portal built for managing medical tourism for patients. The portal manages the hospital database, treatment database, patient database, travel agency database, and accounting. The payments were managed through third-party payment gateways in multiple currencies. The workflow of planning the trips for the patients to various countries for their preferred treatments to managing the entire treatment was managed using the portal.

Responsibilities

- Responsible for understanding user requirements and developing the application.
- Used entity framework as the ORM tool for database connection.
- Prepared the application in the database first approach.
- Involved in different data sharing techniques like ViewBag, TempData and Session
- Coding in the controller using LINQ and developing codes for the view.
- Code performance using page & data caching
- Creation of database tables, views in SQL Server
- Creation of indexes and stored procedures as per the requirements.

Temple Offerings
Bengaluru-based Customer | **Role: Software Engineer | May 2016 - April 2017**

Description
Ecommerce portal based on the Magento framework was designed to manage seva bookings across temples in the states of West Bengal and Kerala. The online payments were handled using third-party payment gateways and the prasadams from the temples were delivered to the customer locations. The monetary offerings by the disciples were deposited in the respective temples and the scanned receipts were provided to the customers.

Responsibilities
- Customized the features according to client needs
- Built the Android and iOS mobile apps using Ionic Framework for frontend Mobile UI and Angular JS in the Backend.
- Built Web API in MVC C#, for data interactions between portal and the Mobile Apps.

Inventory Management System
Bengaluru-based Customer | **Role: Software Trainee | Feb 2015 - April 2016**

Description
Inventory management portal built using ASP.NET and SQL Server for a large retail chain for managing their wide range of inventory and transactions across their outlets through the state. Managing the outlet stocks, supplier information, order information and inventory accounting were part of the portal. The entire workflow of ordering to delivery to dispatch to various outlets to accounting was managed using the portal.

Responsibilities
- Responsible for understanding user requirements and developing the application.
- Used entity framework as the ORM tool for database connection.
- Prepared the application in the database first approach.
- Involved in different data sharing techniques like ViewBag, TempData and Session.
- Writing codes in the controller using LINQ and developing codes for the view.
- Responsible for exception handling to handle yellow page.
- Writing code for page & data caching.
- Creation of database tables, views in SQL Server.
- Creation of indexes and stored procedures as per the requirements.

Hospital Management System, Bengaluru
Bengaluru-based Customer | **Role: Software Trainee | April 2014 - Jan 2015**

Description
This was a custom-built application for a Multi-Specialty Hospital. Consisted of all modules including admissions, patient management, doctor management, pharma, billing, reporting and accounting. This was an application maintenance and enhancement engagement.

Responsibilities
- Product maintenance and support.
- New enhancements, features and Bug fixes etc.
- Deployment configuration
- End-user training

Educational Qualification

Bachelor of Commerce from Vinayaka Sikkim Manipal University, Bengaluru via Distance Education (Correspondence).