Name: Vikram D

Title: Full Stack Developer

GitHub link: https://github.com/tbsvikram

Profile:

- Technically and professionally competent with 9+ years of experience in full-stack development including MVC, ASP.Net Core, Blazor .Net 6.0, C#, JavaScript, AngelScript, and SQL Server & Web API Development.

- Extensive experience in JavaScript development including modern ES6+ features, async/await patterns, and front-end frameworks

- Proficient in AngelScript development for game logic and automation systems

- Strong background in AJAX, jQuery, HTML/CSS, Browser compatibility, and Responsive Web Design

- Experience implementing effective branching strategies, setting up CI/CD pipelines, and establishing quality gates

- Strong Object-Oriented Programming (OOP) skills with experience in Web services, REST APIs, and WCF Services

- Proven track record of successfully developing and deploying applications at scale on cloud platforms, particularly Azure

- Version Control systems used: GIT / TFS / Azure DevOps

- Excellent communication and interpersonal skills, accustomed to working in small team environments.

Technical Expertise and Skills:

Skillset	Expertise
Programming Languages	C#, JavaScript (ES6+), AngelScript, .NET Framework, Blazor
Web Technologies	ASP.NET MVC, Web API, Core, Node.js
Design Patterns	SOLID Principles, Dependency Injection
Scripting	AngelScript for game logic, JavaScript for web applications
Database Management	SQL Server, Entity Framework
RESTful Services	Implementation and Integration
Version Control	Git, TFS (Team Foundation Server), Azure DevOps
Third-Party API	PayPal, Stripe, etc.
Tools	MS Visual Studio .NET 2019, MS Visual Studio Code

Educational Details

#No	Education	Year
1	BE Computer Science & Engineering	2003-2005

PROJECTS

1. **Game Logic System Enhancement**
- **Role**: Senior Software Architect
- **Duration**: 18 months (Jan 2020 – Jun 2021)
- **Technologies**: AngelScript, JavaScript, C#

➤ **Description**:
This project involved enhancing the game logic system for an existing gaming platform. The goal was to develop custom scripting solutions that allowed for modular and reusable game mechanics. Additionally, realtime UI integration and event handling mechanisms were developed to improve game performance and functionality.

➤ **Responsibilities**:
- Designed and implemented custom scripting solutions using AngelScript for game logic.
- Created reusable script components for various game mechanics to enhance scalability.
- Developed an eventhandling system to manage complex game interactions.
- Integrated JavaScriptbased UI components with the AngelScript backend for seamless interaction.
- Conducted unit testing for all script components to ensure robustness and reliability.

2. **Nurse Scheduling System**
- Role: Software Engineer
- Duration: 24 months (Jan 2018 – Dec 2019)
- Technologies: Asp.Net Web Form, Blazor, C#, JavaScript, MS SQL 2012, DevExpress Controls

- ➢ **Description:**
  A comprehensive nurse scheduling system designed to optimize shift allocations and improve hospital workforce management. This system provided dynamic scheduling, realtime updates, and a centralized communication center for hospital departments.

- ➢ **Responsibilities:**
  - Implemented rich JavaScript interactions for realtime schedule updates to enhance user experience.
  - Optimized backend code by transitioning from Entity Spaces to EDMX for better performance.
  - Developed dynamic UI components using Blazor and JavaScript for interactive scheduling.
  - Managed department shifts and schedules with integrated reporting tools.
  - Built a communication center with realtime updates for crossdepartmental coordination.
  - Designed and developed web APIs to support mobile app integrations.
  - Conducted extensive unit testing for system reliability and accuracy.

3. **Port Import Management Product**
- **Role**: Senior Software Developer
- **Duration**: 22 months (Mar 2016 – Dec 2017)
- **Technologies**: MVC.Net CORE, C#, JavaScript, AngelScript, API, SQL Server 2018

- ➢ **Description:**
  A product designed to streamline the port import process, enabling realtime tracking of vessels, document automation, and payment processing. The system included custom dashboards and a reporting engine for operational insights.

- ➢ **Responsibilities:**
  - Developed custom automation scripts using AngelScript for port operations.
  - Designed and implemented interactive dashboards using JavaScript for better data visualization.
  - Built a realtime vessel tracking system to monitor port activities.
  - Automated document generation processes to reduce manual efforts.
  - Integrated a payment processing system to support multiple payment options.
  - Developed a custom reporting engine to generate detailed analytics and operational reports.

4. **Jaipur Development Authority (Rajasthan Government)**
- **Role**: Software Developer
- **Duration**: 20 months (Jul 2014 – Feb 2016)
- **Technologies**: Asp.net 4.5 MVC 5.0, C#, JavaScript, SQL Server

➢ **Description**:
A digital transformation initiative for the Jaipur Development Authority to provide online services for property management, lease deeds, name transfers, and auction administration. The system improved service delivery and reduced turnaround times for propertyrelated processes.

➢ **Responsibilities**:
- Developed online applications for lease deeds, patta, and other property services.
- Implemented modules for name transfers, OTLC, subdivision, and reconstruction services.
- Designed and built a counseling system for applicant management.
- Developed property management and auction property administration features.
- Incorporated interactive form validations using JavaScript to improve user experience.

5. **EWay Bill (Rajasthan Government)**
- **Role**: Software Engineer
- **Duration**: 25 months (Jun 2012 – Jun 2014)
- **Technologies**: Asp.net 4.5 MVC 5.0, C#, JavaScript, SQL Server

➢ **Description**:
Development of an electronic eWay Bill system for the movement of goods across Rajasthan, ensuring compliance with government regulations and streamlining the GST process.

➢ **Responsibilities**:
- Designed and developed an electronic system for eWay Bill generation and tracking.
- Implemented realtime validation using JavaScript to reduce errors during data entry.
- Built an automated GST calculation system to improve compliance.
- Integrated the system with government portals for seamless communication.
- Designed a responsive user interface to enhance accessibility and usability.