# Tamil Selvan

• (+91) 7200206323 • tamilselvang0002@gmail.com • Portfolio • LinkedIn • GitHub

Chennai, India

**Full Stack Developer** with 3+ years of hands-on experience in Angular, .NET Core, and SQL Server. Proven expertise in designing scalable RESTful APIs, optimizing UI/UX for responsiveness, and delivering full-cycle enterprise applications. Strong collaborator within Agile teams and skilled in code optimization, testing, and debugging for high-performance systems

## Experience

SEP 2024 – PRESENT
**Associate Software Engineer | Nova Techset | Chennai, India**

As an Associate Software Engineer, I focus on building and maintaining scalable web applications using Angular, .NET Core, and SQL Server. I've worked on improving performance and maintainability by refining system architecture and **optimizing core logic**—leading to a 15% increase in efficiency. By enhancing the front-end experience, I also helped **reduce UI load times** by 20%, making the applications faster and more responsive. I regularly take part in debugging, code reviews, and **QA testing**, which has helped minimize post-release bugs and maintain a consistent 99.9% application uptime.

MAR 2023 – AUG 2024
**Junior software Engineer | Nova Techset | Chennai, India**

As a Junior Software Engineer, I stepped into a more hands-on role, working on both the front-end and back-end using Angular, .NET Core, and SQL Server. I collaborated with different teams to build new features, improve existing ones, and make sure everything ran smoothly. I also took part in code reviews and testing, which helped catch issues early and made the system more stable and reliable.

JUN 2022 – FEB 2023
**Trainee Software Engineer | Nova Techset | Chennai, India**

As a Trainee Software Engineer, I acquired practical experience in full-stack development and end-to-end software lifecycle processes. I actively collaborated with senior developers in designing application modules, resolving UI-level defects and improved code quality.

## Skills

- **Front-End:** Angular, HTML5, CSS3, JavaScript, TypeScript, jQuery, Bootstrap, Tailwind
- **Back-End:** .NET Core (C#), ASP.NET MVC, Web API, RESTful Services, JWT Authentication
- **Databases:** SQL Server
- **Cloud & DevOps:** AWS S3 (File Upload), CI/CD
- **Testing & API Tools:** Postman, Swagger, API Testing
- **Tools & Practices:** Git, Agile Development, Code Reviews
- **Soft Skills:** Communication, Team Collaboration, Time Management

## Projects

**SESAME WMS – ARTICLE WORKFLOW & PROOFING PLATFORM**

A web-based project and workflow management system designed to handle the complete lifecycle of academic journal articles.

- Contributed to full CRUD development across all master pages including Journal, Publisher, Issue, User, Vendor, and Mail Template management.
- Developed and integrated RESTful APIs for handling article data, workflow transitions, and system-wide operations.
- Implemented secure file upload and download functionality using AWS S3, ensuring safe storage and retrieval of article proofs and related documents.
- Integrated and tested APIs for various modules, ensuring consistent performance and adherence to business logic.
- Participated in optimizing both frontend and backend layers using Angular 14 and C#.NET for a scalable, maintainable codebase.

**Technologies:** Angular 14, C#.NET, JavaScript, jQuery, AWS S3, SQL Server

**EMPLOYEE PROFILING & PERFORMANCE DASHBOARD – ANALYTICS TOOL FOR TEAM & INDIVIDUAL INSIGHTS**

A web-based internal dashboard designed to visualize employee and team performance metrics for executive leadership

- Developed dynamic, interactive charts using ng-apex charts to showcase KPIs, productivity trends, and cross-team comparisons.
- Implemented **role-based dashboards** with smart filters and **Excel export functionality** to enhance decision-making and reporting.
- Integrated secure **RESTful APIs** and protected frontend routes using JWT-based authentication for authorized data access.
- Led the full frontend lifecycle—from UI/UX design and component development to **deployment and production support**.
- Created a responsive, user-friendly interface tailored for performance monitoring and leadership reviews.

**Technologies:** Angular 19, TypeScript, HTML, CSS, REST API, JWT Auth, .Net C#, MS SQL server

**NEDIT- WEB-BASED PROOFING PLATFORM**

A browser-based academic proofing and editing platform used by authors and editors to finalize scholarly journal content with real-time collaboration support.

- Built and enhanced UI features including image replacement, footnotes, **text formatting**, and **structured section/list creation.**
- Implemented **Snapshot PDF download** functionality with layout fidelity and formatting accuracy.
- Enabled real-time multi-user collaboration with live change tracking and XML structure preservation.
- Integrated **RESTful APIs for content autosave**, PDF rendering, and workflow transitions.
- Focused on creating a clean, responsive interface supporting math equations, reference editing, and live pagination.

**Technologies:** Angular 17, TypeScript, HTML, CSS, REST API, .Net C#, MS SQL server

**GUIDE_COREAPI – PERSONAL PROJECT**

A scalable RESTful API built using .NET Core Web API designed for managing guide data. The application follows clean architecture principles and includes secure authentication and API documentation.

- Implemented **JWT-based authentication** to secure API endpoints.
- Designed modular architecture for easy maintenance and extensibility.
- Integrated **Entity Framework Core** with **SQL Server** for robust data access.
- Added **Swagger** for interactive API testing and documentation.
- Supports **CRUD operations** for guides with input validation and error handling

**Technologies:** NET Core, C#, Entity Framework Core, SQL Server, Swagger, JWT

**GitHub: Guide_CoreAPI**

**PERSONAL PORTFOLIO WEBSITE – RESPONSIVE DEVELOPER PORTFOLIO WITH DYNAMIC CONTENT**

A fully responsive, modern portfolio website built with Angular 20 to showcase development skills, featured projects, and professional experience.

- Designed a clean, interactive UI using Tailwind CSS with smooth scrolling, theme toggle support, and mobile-first responsiveness.
- Developed a dynamic content system using JSON configuration to manage and render project cards, skills, and social links.
- Integrated a working contact form using EmailJS to enable direct message delivery to personal email.
- Ensured modular, reusable components for easy updates and future scalability.
- Deployed to Netlify with continuous improvements and performance optimizations.

**Technologies:** Angular 20, TypeScript, Tailwind CSS, JSON Config, EmailJS

**GitHub: Portfolio , Live: Tamilselvan Portfolio**

# Education

APR 2021

**Bachelor of Engineering in Computer Science | Alpha Engineering College, Thirumazhisai (Anna University)**

CGPA: 7.45 / 10

# Certifications

DEC 2021

**Skill Training Certificate – Web Developer | Issued by Government of Tamil Nadu – State Council for Vocational Training**

# Extracurricular Activities

- Completed government-recognized Web Developer Skill Training (2021)
- Attended Industrial training Workshop at Wikitechy