# HEMASAGAR T G – FULL STACK DEVELOPER

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## Professional Summary

Experienced Full Stack Developer with 4+ years in software application development using .NET technologies. Strong expertise in ASP.NET, C#, MVC, WCF, .NET Core Web API, JavaScript, and TypeScript. Proficient in OOPS, LINQ, and design patterns, following coding best practices. Skilled in Agile methodology and worked in AWS services, with a foundational understanding of Azure. Adept at using version control tools like TFS and Git, with excellent English communication and interpersonal skills.

## Technical Skills

- **Languages:** C, C++, C#, Entity Framework 6, SQL, JavaScript, TypeScript, Angular.
- **Frameworks & Technologies:** .NET Core, ASP.NET, MVC, Web API, RESTful APIs, RxJS, Entity Framework, LINQ, JWT, OAuth.
- **Frontend:** HTML5, CSS3, Bootstrap, JavaScript, jQuery, AngularJS, Angular.
- **Databases:**
  - **SQL:** MySQL, PostgreSQL, SQL Server (Query Optimization, Indexing, Schemas).
  - **NoSQL:** MongoDB.
- **Cloud & DevOps:** AWS (Lambda, Serverless, CDK), Terraform, Git, Jira, Confluence.
- **Tools & Platforms:** Visual Studio, Visual Studio Code, Swagger, Postman, Figma UI/UX.
- **Tools & Productivity:** Microsoft Office, Google Workspace (Docs, Sheets, Slides, Drive).
- **Software Practices:** SDLC, Agile Methodologies, Object-Oriented Programming (OOP), Design Patterns, Domain-Driven Design, Test-Driven Development, UML.

## Work Experience

- **Software Engineer 2** | Acelucid Technologies Private Limited | Apr 2024 – Present
- **Software Engineer 1** | Acelucid Technologies Private Limited | Feb 2024 – Mar 2025
- **Freelance Full Stack Developer** | Aug 2022 – Jan 2024
- **Graduate Trainee** | Tata Consultancy Services (TCS) | Jul 2021 – Jul 2022

## Professional Projects

**Software Engineer 2**
**Project: Health Care Management System**
**Client:** Australia | **Team Size:** 18 | **Environment:** .NET 6, Entity Framework, Angular, SQL Server, Web API
**Description:**
The Health Care Management System is a digital platform that enables at-home elderly care services, facilitating caregiver booking, medication delivery coordination, and personal care assistance scheduling through an integrated system that optimizes service delivery and improves client satisfaction.
The platform unifies and automates critical operations including:
- Client/portfolio management.
- Care team rostering and scheduling.
- Custom form creation and incident tracking.
- Debtor and business partner management.
- Document management and billing systems.

**Responsibilities:**
- Designed and developed scalable .NET 6 Web APIs with Entity Framework Core.
- Optimized SQL Server performance through query tuning and efficient data access patterns.
- Implemented Domain-Driven Design to organize complex business domains into maintainable services.
- Integrated real-time functionality using SignalR and implemented secure authentication with JWT.
- Established coding standards and mentored team members on .NET best practices.
- Integrated Azure services for deployment and monitoring.
- Maintained high code quality through rigorous reviews and testing practices.

**Project: Environment Sustainability Platform**
**Client:** India | **Team Size:** 5 | **Environment:** .NET 8, TypeScript, Angular, NoSQL, HTML, CSS
**Description:**
This is a sustainability-focused web platform integrating solar energy solutions, EV infrastructure, AgriTech, and heat pump technologies. It features user portals, product listings, seller dashboards, and real-time notifications, with an admin panel for managing renewable energy solutions and third-party integrations.
**Responsibilities:**
- Led end-to-end development of the platform using .NET 6 (REST APIs, MVC) and Angular, ensuring alignment with sustainability goals.
- Designed MongoDB schemas and optimized data access layers for scalable performance.
- Developed responsive UIs with Angular, Bootstrap, and CSS, adhering to Figma designs.
- Deployed and managed AWS infrastructure for high availability.
- Conducted code reviews, enforced best practices, and mentored junior team members.
- Collaborated with stakeholders to track sustainability metrics and improve renewable tech integrations.

**Project: Movie Review System**
**Client:** US | **Team Size:** 5 | **Environment:** .NET 6, jQuery, Angular, SQL, HTML, CSS

**Description:**
Movie Review System is a responsive social media platform designed for movie lovers, offering features like user profiles, activity feeds, recommendation engines, watchlists, and notifications. The application includes an admin panel for movie management and integrates third-party services for enhanced user experience.

**Responsibilities:**

- Designed intuitive UI interfaces while implementing robust business logic to enhance user experience.
- Developed efficient data access layers to optimize database operations and performance.
- Built scalable backend services using .NET technologies including REST APIs and MVC architecture.
- Enforced code quality through Git version control and JavaScript best practices.
- Deployed and managed cloud infrastructure on AWS (EC2, RDS, SES, Load Balancer) to ensure high availability.

**Software Engineer 1**
**Project: Rova**
**Client:** India | **Team Size:** 7 | **Technology:** .NET 6, AWS, SQL, Stored Procedure, Web API
**Description:**
Rova is a mobile e-commerce platform designed specifically for farmers, enabling them to buy and sell agricultural products such as seeds, fertilizers, equipment, and livestock feed. The app provides a seamless shopping experience with secure payments, real-time order tracking. It also includes a seller dashboard for

farmers to manage their inventory, track sales, and connect with buyers directly. The platform supports multiple languages and integrates with logistics providers to ensure timely delivery.

**Responsibilities:**

- Designed and implemented RESTful APIs to handle core business logic and workflows.
- Developed high-performance server-side components with optimized database architecture.
- Developed database triggers and functions to maintain data integrity across transactional systems.
- Collaborated on system design and feature implementation.
- Conducted thorough code reviews and resolved critical defects
- Provided technical guidance and assisted team members in achieving project goals.

**Project: Rova Admin Panel**
**Client:** India| **Team Size:** 7 | **Technology:** Angular, .NET 6, HTML, CSS, SQL
**Description:**
The Rova Admin Panel is a web-based management system designed to oversee the operations of the Rova mobile platform. It enables administrators to manage product listings, user accounts, orders, payments, and delivery tracking. The panel provides insightful analytics, reports, and a dashboard for monitoring sales performance and user engagement.

**Responsibilities:**
- Built a responsive frontend application with Angular and TypeScript support.
- Designed and implemented backend services with .NET 6 and integrated SQL Server for efficient data management.
- Led solution and database design discussions with the architecture team.
- Conducted code reviews, bug fixes, and performance optimizations to maintain high code quality.
- Mentored team members and facilitated knowledge sharing

## Key Achievements
- Optimized front-end components using Angular, significantly reducing page load time and enhancing performance.
- Integrated APIs to improve project functionality, resulting in a 15% increase in user engagement.
- Improved database query performance by 40% through query optimization and indexing strategies.
- Enhanced application security by implementing JWT authentication and role-based access control, reducing security vulnerabilities by 90%.
- Gained extensive experience in software development best practices and industry standards by
- contributing to live projects.
- Collaborated with cross-functional teams to implement Agile methodologies, boosting project delivery speed and team productivity.
- Conducted code reviews, providing constructive feedback to promote a culture of quality and continuous improvement.
- Ensured high performance, responsiveness, and security of applications through robust data protection measures.
- Developed reusable, testable, and efficient code, adhering to industry standards.
- Stayed current with emerging technologies and best practices to continuously enhance technical expertise.
- Mentored junior developers and facilitated knowledge-sharing sessions, contributing to team growth and skill development.
- Collaborated with product managers and stakeholders to align technical solutions with business
- objectives, ensuring seamless product delivery.
- Proactively identified and resolved performance bottlenecks, improving overall system stability and user experience.

**Education**

- Master of Computer Applications (MCA) from Kristu Jayanti College - 2024 – 8.21 CGPA
- Bachelor of Computer Applications (BCA) from Seshadripuram College - 2021 - 8.3 CGPA
- PUC from Mahesh PU College - 2017 - 64.83%
- SSLC from Chethana Vidya Mandira H S - 2015 - 71.52%