Megha Narendra Simha
Seattle, USA
+1 2065961323 | narendrasimhamegha@cityuniversity.edu | Megha Narendra Simha | LinkedIn | MyPortfolio

SKILLS

- **Languages/Frameworks:** .NET Core, ADO.NET, C#, Python, Angular 8, React (Redux, Hooks, RTK Query), TypeScript, JavaScript (ES6), HTML5, CSS (Bootstrap, Tailwind)
- **Cloud & Tools:** Azure (DevOps, Service Bus, Cosmos DB, Function Apps), AWS (Lambda, API Gateway, Rekognition, S3, DynamoDB), Gemini API, Ollama
- **Databases:** SQL Server, MySQL, MongoDB (Atlas)
- **Practices:** OOP, DDD, CQRS, MediatR, REST APIs, JWT Auth, Agile (Scrum/Kanban), Git, JIRA, Trello

EDUCATION

Master's in Computer Science, City University of Seattle - 2025
Computer Science and Engineering, JSS Academy of Technical Education -2018

WORK EXPERIENCE

City University of Seattle, Seattle, WA   **January 2025 to Present**
Student Worker/Teaching Assistant (Part-Time)
- Reviewed and graded programming assignments and technical Hands on Skills for Bachelor's and Master's Computer Science courses, ensuring adherence to coding standards and best practices.
- Assisted professors in refining course content by identifying gaps in technical explanations and optimizing instructional materials.
- Led technical study sessions, providing in-depth explanations of algorithms, data structures, and software development concepts to enhance student comprehension.
- Mentored Amazon employees transitioning from non-tech roles into tech, on foundational computer science topics.

Costco Wholesale, Issaquah WA   **June 2024 to August 2024**
Software Developer
- Optimized Pricing and Inventory microservices as part of the OMS Modernization project, reducing API response time by 30% and improving system scalability by leveraging DDD, CQRS, and MediatR patterns in C# .NET Core.
- Implemented robust API validation and security measures using FluentValidation and JWT authentication, reducing authentication failures by 40% and enhancing data integrity across services.
- Demonstrated API validation and service functionality to an audience of 50+ stakeholders.
- Strengthened role-based access control (RBAC) by implementing granular authorization policies, ensuring secure access management and reducing unauthorized data access incidents by 35%.

Accenture, Bangalore   **February 2022 to February 2023**
Application Development Analyst
- Led the development of a cloud-based Hoteling Application using Angular, .NET Core, and C#, orchestrating REST APIs for key functionalities like booking, cancellation, check-in, and checkout.
- Designed and implemented a QR code-based booking and check-in system, reducing check-in time by 40%, minimizing front desk congestion, and enabling seamless, contactless check-ins for

guests. By optimizing performance with lazy loading, SVGs, and CDN-hosted assets, the system improved page load speeds, enhanced mobile responsiveness, and ensured a smooth user experience even during peak booking hours.

- Utilized Cosmos DB for efficient application configuration storage, enhancing data retrieval speed and system scalability.
- Mentored and trained new recruits, accelerating their onboarding process and improving team productivity in both technical and functional aspects of the application.

NTT Data, Bangalore   **April 2019 to March 2021**
Software Developer

- Developed a robust Windows application using C# .NET and ADO.NET, integrating PowerShell scripts to automate background tasks and improve workflow efficiency.
- Led the implementation of key Rx processing features, including dispensing, verification, and Rx change, optimizing performance through efficient stored procedures and SQL queries.
- Played a pivotal role in requirements gathering, technical analysis and conducted feature demonstrations to clients, ensuring smooth knowledge transfer and project handover.

PROJECTS

Visual Insight Generator
Built a React-based image analysis tool using Amazon Rekognition for facial recognition and label detection. Integrated AWS Lambda, API Gateway, S3, and DynamoDB for backend processing and storage, with CloudWatch for monitoring.

Expiry Tracker for Groceries
Developed a MERN stack web app for managing grocery items with real-time expiration tracking. Integrated MongoDB Atlas, AI-powered recipe suggestions via Ollama, and backend scheduling for notifications and automated status updates.

AI-Powered Learning Assistant
Created a Gemini-based AI tutoring system using Flask and React with multi-agent collaboration. Enabled personalized quizzes, learning summaries, and peer-driven support through prompt engineering and an intuitive modular interface.

VOLUNTEERING

Full Stack Developer   **May 2023 to June 2024**
United States of Africa (Austin, TX) Remote

USAF is a nonprofit organization. Worked as a Front End Developer on Zumaridi Video Conferencing application used to schedule, host meetings which is focused on digital literacy , mentorship and capacity building training for youths to acquire skills.

ACHIEVEMENTS

- **Secured 3rd Place** in the SET Pitch Competition 2024 organized by Net Impact at City University of Seattle.
- **Participated** in a Hackathon(2025) hosted by Seattle Data & AI Security Organization at Microsoft Redmond.