

Tejas Sunil Gumgaonkar

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

Full Stack Software Engineer with 3+ years of expertise in designing and implementing high-performance web applications and distributed systems. Specialized in .NET/C# development with a proven track record of optimizing API response times, enhancing system security, and delivering scalable solutions. Combines strong technical proficiency across full-stack development with excellent collaboration skills to translate complex business requirements into elegant software solutions.

SKILLS

- **Programming Languages:** C#, JavaScript, TypeScript, Angular, Python, C++, HTML5, CSS3, jQuery.
- **Web Technologies:** React.js, Node.js, Express.js, jQuery, .NET & .NET Core, MVC, WCF, GraphQL, RESTful APIs.
- **Database & Systems:** LINQ, Entity Framework, ADO.net, SQL Server, Redis, MongoDB (NoSQL), PostgreSQL, Distributed Storage & Computing.
- **Architecture:** Microservices, RESTful APIs, Distributed Systems Architecture.
- **Cloud & DevOps:** GCP, AWS (Lambda, S3 & EC2), Azure Cloud (Functions, Azure AI), Azure TFS, CI/CD Pipelines, Git, Docker, Kubernetes.
- **Professional:** Complex Problem Solving, Agile/Scrum, Test-Driven Development, Software Development Lifecycle Protocols.
- **Expertise Areas:** API Design & Development, Distributed System Design, UI/UX Design, Service Integration, Performance & Database Optimization, Cybersecurity, Microservices, Windows Services, Full Stack Web Development.

WORK EXPERIENCE

Software Engineer @Persistent Systems Limited

July 2021 – Aug 2023

- Built innovative distributed API systems solving complex problems for multiple teams
- Improved complex API response time by 2.8s, exercising sound judgment in systems architecture decisions
- Led security assessment (VAPT), communicating effectively with stakeholders to resolve 50+ vulnerabilities
- Optimized 25+ SQL stored procedures, demonstrating innovative approaches to system efficiency
- Solved complex business challenges through automated services for dynamic data processing
- Orchestrated deployment across 4 environments, communicating effectively throughout SDLC protocols
- Ensured software quality through comprehensive product support, bug fixes, and unit testing implementation.
- Utilized Azure TFS for version control and DevOps processes.
- Successfully handled 22+ change requests independently with meticulous attention to detail.

Software Engineer Intern @Persistent Systems Limited

Jan 2021 - July 2021

- Developed secure API systems with Token Based Authentication.
- Implemented MVC architecture for web applications using ASP.NET.
- Performed comprehensive testing and defect management.

EDUCATION

California State University, Fresno
Master of Science, Computer Science

Aug 2023 - May 2025
CGPA (3.51/4)

GH Raisoni College of Engineering (GHRCE) - RTMNU, Nagpur
Bachelor of Engineering, Computer Science Engineering

Aug 2017 - May 2021
CGPA (8.87/10)

ACADEMIC & PERSONAL PROJECTS

(Research Project) Node.js Event Loop Efficiency Enhancement

[\(GitHub\)](#)

Jan 2025 – May 2025

- Designed and implemented an adaptive event batching system to optimize high-concurrency performance.
- Developed advanced multithreading techniques to parallelize event processing and maximize CPU utilization
- Developed a simulation environment to collect and analyse performance metrics under various load conditions.
- Conducted quantitative analysis on CPU utilization, response times, throughput, and error rates.
- Created a hybrid data structure optimizing O(1) access time for both sequential and categorized event processing.
- Implemented data visualization for performance metrics to communicate technical findings to stakeholders.
- Technologies used: Node.js, JavaScript, LibUV, Autocannon for load testing, data visualization libraries.

Olanthroxx-Ecommerce

[\(GitHub\)](#)

May 2023 - Present

- Built a comprehensive ASP.NET MVC platform with Web API featuring multi-user authentication.
- Implemented backend services using C# and .NET Core with SQL Server database integration.
- Utilized Entity Framework for data access and EDMX for data modeling.
- Created responsive UI using HTML, CSS, JavaScript, and jQuery.
- Integrated Azure AI services for product recommendations and customer insights.
- Implemented object-oriented design patterns and dependency injection.
- Developed RESTful APIs following industry best practices.

Memories

[\(GitHub\)](#)

Apr 2021 - Jul 2021

- A blog posting application to share experiences & memories digitally.
- Developed both the backend (APIs) & the frontend using MongoDB, React JS, Day JS, Express & Node JS.
- Implemented auth middleware and JWT Token for secure API authorization.
- Created responsive UI components with modern React patterns and hooks.
- Optimized application performance through code splitting and lazy loading.

Query Room

[\(GitHub\)](#)

May 2021 - July 2021

- Aim was to build an app for increasing productivity and problem and doubt solving for developers and people.
- Query Room is a web-based platform designed to enhance productivity and learning by facilitating quick query resolution. It allows users to post queries, receive expert responses, and maintains a scorecard for each user, fostering a competitive learning environment through a leaderboard system.
- Developed required APIs & Token Based Auth for security.
- Generated MVC for the web app (ASP.net); involved in manual testing for the all the features and defect logging and verification.

Criminotics App

[\(GitHub\)](#)

Aug 2020 - Nov 2020

- Spearheaded the creation of a crime reporting application to enhance public-police communication.
- Assessed existing crime reporting methods to inform the design of the new application.
- Formulated a detailed project roadmap to guide the application's development process.
- Developed the application's views and codebase, ensuring optimal functionality.
- Incorporated Firebase for data storage and user authentication, enhancing the application's security.
- Utilized APIs for location tracking and SOS messaging, improving the application's real-time response capabilities.

TRAINING AND CERTIFICATIONS

- Earned certification in CS101.2x: Object Oriented Programming Course in IITBX (2020).
- Earned certification in Introduction to Blockchain Technology and Applications at NPTEL (2020).

AWARDS & ACHIEVEMENTS

- Promoted from Software Engineer Intern to Software Engineer in July 2021.
- Awarded the Bravo Team Award for exceptional team contributions in 2022 and 2023.
- Nominee for Best Innovation Challenge finalist at GHRCE, Nagpur (2018).
- Awarded Rashtrapati Puraskar for Scouts & Guides at KV IIT Bombay, Mumbai (2017).