

# TEJAS HEMANT CHOUDHARI

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## SUMMARY

Software Engineer with 2 years of experience developing scalable applications using React, Next.js, Java, C#, .NET, RESTful APIs, and Azure. Skilled in building distributed systems, microservice architectures, and implementing CI/CD pipelines. Adept at delivering efficient, high-quality software solutions while adhering to best coding practices in Agile environments.

## EDUCATION

### NORTHEASTERN UNIVERSITY

Master of Science, Information Systems; Cumulative GPA: 3.86/4

Relevant Coursework: Program Structures and Algorithms, Object Oriented Design; Design Patterns, Web Design and UX

Boston, MA

Expected Dec 2024

### MUMBAI UNIVERSITY

Bachelor of Engineering, Information Technology

Mumbai, India

Aug 2016 – Oct 2020

## SKILLS

**Technologies:** C#, Python, TypeScript, JavaScript, Java, C, C++; HTML5, CSS3; RESTful APIs; Kafka, RabbitMQ

**Frameworks:** .NET, .NET Core, Entity Framework, React, NUnit, MS Test, Blazor, Flask; **Tools:** Visual Studio, Git, SSMS

**Databases:** SQL Server, PostgreSQL, MongoDB; **Cloud Technologies:** Azure( DevOps, App Services ), AWS( EC2, S3, Lambda )

## WORK EXPERIENCE

### BRACEBRIDGE CAPITAL

Software Engineer Coop

Boston, MA

May 2023 – Dec 2023

- Contributed to a successful migration project from a legacy system to a modern .NET and C# framework utilizing C# and Blazor, resulting in a robust microservice architecture for generating over 150 bond market reports
- Designed and deployed updated REST APIs for new functionalities, maintaining backward compatibility to support existing versions of the web application; elevated user experience, resulting in a 25% rise in user satisfaction
- Reduced weekly debugging time by 8 hours by implementing a pipeline re-run feature and upgrading the UI for real-time analytics of pipelines, including execution status and logs, to minimize manual efforts in troubleshooting
- Programmed key features for a web application managing ETL pipelines, utilizing C#, .NET Framework, REST APIs and SQL Server in an Agile environment, with Azure for CI/CD, resulting in a 25% reduction in resource consumption
- Optimized code quality and performance through comprehensive unit and integrated testing strategies utilizing NUnit, MS Test, and BenchmarkDotNet frameworks; increased code reliability while reducing bug count by 30%

### INFOSYS LIMITED

Software Engineer

Pune, India

Nov 2020 – Aug 2022

- Contributed to the design and implementation of customer-facing features for a Business Lending Web Application, utilizing C#, .NET Core, Angular, and Entity Framework, improving functionality and user experience while reducing manual business deal validation efforts by 16%
- Developed scalable Web API architectures using C#, .NET Core, and JavaScript frameworks (Angular), ensuring efficient data flow and contributing to the overall user experience and performance improvements by creating 10+ services for component communication
- Utilized Azure DevOps to automate CI/CD pipelines, streamline builds, and manage releases seamlessly, ensuring continuous integration and deployment while minimizing customer-impacting issues
- Delivered consistent improvements to distributed systems architecture using microservices principles, optimizing scalability, and maintaining high availability in production environments.

## PROJECTS

### BOOK VERSE | Node.js, TypeScript, React, Redux, MongoDB, Gemini API | [Link](#)

Jul 2024 – Aug 2024

- Designed and developed an AI-driven e-bookstore with personalized book recommendations using Google AI Gemini API and advanced algorithms, integrated Stripe for secure payments, and implemented Redux for robust state management to enhance user experience with seamless transactions and personalized discovery.

### TASK TRACKER APPLICATION | Node.js, React, TypeScript, MongoDB | [Link](#)

May 2024 – Jul 2024

- Developed a dynamic task management application using React, TypeScript, and MongoDB, featuring real-time updates, state management, and customizable task states, enhancing user productivity and task tracking

### SECURED FILE SHARING SYSTEM | Java, Socket Programming, AES, Java Swings | [Link](#)

Jan 2020 – Oct 2020

- Designed and implemented a client-server architecture in Java, featuring real-time chat and secure file exchange capabilities; utilized hybrid cryptography methods (AES, RSA, SHA) to ensure data confidentiality, resulting in improved system security and user data protection.