

Senior Frontend Engineer with **5+** years of **MERN Stack** experience, delivering **20+ scalable web apps** with up to **35% performance gains** across travel, finance, and enterprise domains. Improved UI/UX and API performance by resolving **300+ issues**, cutting bounce rates by **23%**, **response times** by **28%**, and production incidents by **20%**. Driven by **growth and continuous learning**, with a deep interest in **AI, LLMs**, classification models, and **ML tools** shaping next-gen web experiences.

PROFESSIONAL SUMMARY

- Built dynamic SPAs with **ReactJS, TypeScript, and JavaScript**, improving load performance by **23%** and user engagement by **17%** through optimized rendering.
- Developed secure RESTful APIs using **Node js** and **Express.JS**, with **MongoDB** and **PostgreSQL**, reducing query latency by **28%** through schema tuning and indexing.
- Delivered responsive, accessible UIs with **Tailwind CSS, Bootstrap**, cutting layout bugs by **35%** and ensuring **WCAG** compliance across devices.
- Optimized production builds** using modern JS toolsets ES6+, Webpack, Babel, **Vite**, and **NPM**, reducing bundle sizes by **27%** and improving first-load UX.
- Integrated internal and third-party APIs, improving feature reliability and cutting integration time by **22%** with structured error handling and async optimization.
- Boosted **sprint velocity** by **19%** through contributions to Git workflows, code reviews, and active participation in **Agile events** using **GitHub** and following DevOps principles.
- Experience with **containerization** and **orchestration** (such as Docker, Kubernetes) and DevOps tools (such as Git, Ansible, Jenkins), along with monitoring/logging contributing to a **31% faster deployment** cycle and reduced downtime.
- Skilled in handling **asynchronous operations** and streamlining debugging using tools like **Chrome DevTools** and **Cursor**, ensuring smooth data flow and faster issue resolution.

TECHNICAL SKILLS

Programming Languages & Runtime:	JAVASCRIPT (ES6+) TypeScript Tailwind CSS NodeJS
Framework and Libraries:	ReactJS NextJS Bootstrap
Database:	MongoDB PostgreSQL SQL
State Management:	Redux Context API NgRx Rx js
Cloud & CI/CD:	AWS Kubernetes
Version Control:	Git GitHub Bitbucket
Web Services & APIs:	RESTful APIs JSON Apigee
AI & Intelligent Interfaces:	LLM-aware UI design Chatbot Interfaces AI-integrated APIs
Web Standards & Architecture:	Single Page Applications (SPAs) MVC Architecture.

PROFESSIONAL EXPERIENCE

TCT Holidays and Technologies Private Limited | Hyderabad, India

- Software Development Engineer SDE I

April 2021 – Aug 2023

 - Developed and maintained dynamic React-based web applications in the Travel, Tourism, and Finance sectors using front-end technologies like react, JavaScript, **Typescript** and **Bootstrap**, resulting in a **25% increase in operational efficiency** and improved platform usability.
 - Engineered scalable backend services and APIs with **NodeJS**, facilitating **real-time synchronization** between client UIs and backend systems for financial transactions and booking engines.
 - Integrated RESTful APIs** and fine-tuned **SQL queries** to support live dashboards and transactional systems, leading to **40% faster data rendering** and a **20% reduction** in latency-related issues.
 - Leveraged React-based features like Hooks (useState, useEffect, useContext) to **refactor state logic** and streamline components, **cutting rework cycles by 30%** and improving maintainability across codebases.
 - Partnered with designers in **Figma** to implement accessible, responsive UIs using **Tailwind CSS**, resulting in **100% WCAG 2.1 AA compliance** and seamless cross-device compatibility.
 - Excellent **debugging skills** and an eye for **performance optimization**, demonstrated by optimizing SPA architecture, implementing lazy loading and route guards, which led to a **30–40% decrease in initial load times** and noticeably smoother navigation.
 - Applied **front-end testing methodologies** and contributed in a **fast-paced, startup-style environment**, where rapid iteration, cross-functional ownership, and scalability were key drivers of delivery.
 - Built and maintained robust **unit testing** and **integration tests** leading to **85%+ code coverage** and early detection of regressions across critical workflows.
- Junior Software Developer

Jan 2019 – Mar 2023

 - Collaborated with **UI/UX senior developers** to build and maintain internal platforms like TCT Holidays and Tralamo, using **JavaScript** and **Bootstrap** contributing to core features and stability improvements.
 - Led bug fixes** and implemented new features, resulting in a **20% drop in reported issues** and significantly improving the reliability and satisfaction of internal stakeholders.
 - Engaged in **Agile software engineering** practices, including sprint planning, daily standups, code reviews, and **Jira-based tracking** supporting faster delivery cycles and higher cross-team alignment.
 - Improved responsive layouts using Bootstrap **achieving consistent UX** across mobile, tablet, and desktop devices, and reducing layout-related user complaints.

Engineer Trainee Level 3 Internship - CYIENT Limited | Hyderabad, India

Jan 2016 – Aug 2017

- Designed high-fidelity test **component models** for complex aerospace systems ensuring robust integration into **live production** environments using advanced simulation and modeling tools.
- Worked cross-functionally with engineers, testers, and product leads to iterate on designs, resolve integration blockers, and implement process improvements that **enhanced test cycle velocity** and system safety compliance.

WEB PROJECTS SUMMARY

Stock Brokerage Platform – Finance & Technology Industry

Tech Stack: ReactJS, nodejs, Express.js, MongoDB, REST APIs, WebSockets, JWT, AWS EC2 & S3

- Designed and developed a full-stack stock trading web application simulating a real-time brokerage platform.
- Implemented secure user authentication, dynamic dashboards, real-time stock updates using WebSockets, and portfolio analytics.
- Focused on scalability, latency reduction, and efficient data fetching for high-volume user interactions.
- Honed skills in REST API integration, authentication (JWT), session management, and responsive UI design.
- Deployed on AWS EC2 with S3 for document uploads and CloudWatch for basic monitoring.

Video Conferencing App – Zoom Clone for Collaboration

Tech Stack: react, webRTC, Node, js, Socket.io, Express, MongoDB

- Engineered a web-based video call platform with group calling, screen sharing, and real-time chat features.
- Integrated WebRTC for peer-to-peer audio/video communication, Socket.io for signaling and messaging.
- Focused on low-latency connections, real-time room creation and joining, and session persistence.
- Explored integration of **AI-powered features** (e.g., transcription, smart captions) using Web APIs and **LLM-based** tools for enhanced collaboration.
- Built authentication flow and user room history tracker.

Cloud Migration & CI/CD Automation

Tech Stack: AWS (EC2, S3, RDS), Kubernetes, Jenkins, Docker, Git, YAML, Linux

- Led the cloud migration of York University’s Student Learning Management System (LMS) from on-premise servers to AWS Cloud, improving system scalability, uptime, and disaster recovery readiness.
- Deployed cloud-native infrastructure using EC2 for compute, S3 for storage, and RDS for persistent data layers, following security best practices (IAM, VPC, etc.)
- Implemented Kubernetes-native CI/CD pipelines via Jenkins and Docker, automating build, test, and deployment processes across multiple dev/staging/production environments.

EDUCATION

George Brown College - Toronto, ON, Canada	May 2024 – Jan 2025
Post Graduation in Project Management - CGPA 3.60	
York University - Toronto, ON, Canada	Sep 2023 – May 2024
Post Graduation in computer science - CloudOps - CGPA 3.75	
Jawaharlal Nehru Technological University, Hyderabad, India	Aug 2012 – July 2016
Bachelor’s Degree - CGPA 3.02	

SOFT SKILLS

Project Management & Collaboration	Client Deliverables, collaboration, strong communication, code reviews.
Process & Methodology	Agile, Scrum, Continuous Development, Continuous Improvement, DevSecOps, , WCAG Compliance, Jira, technical documentation, Shift Left Testing, DRY.

CERTIFICATIONS

- MERN Stack - Apna college
- JavaScript Algorithms and Data Structures - Udemy
- Mastering ReactJS, NodeJS - Udemy

INTENSIVE COMPETITIVE PREPARATION AND TRANSFERABLE SKILLS

- Demonstrated discipline, resilience, and adaptability during Indian Civil Services - UPSC CSE Examination (2018-2023), often thoughted as a globally recognized rigorous competitive exam.
- Developed analytical thinking and the ability to manage vast amounts of information under pressure, directly transferable to technical problem-solving.
- Cultivated effective time-management and communication skills, essential for cross-functional teams and technical roles in Computer Science, Software Engineering roles.

-References and documents available upon request-