

# Ashish Madan

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## Summary

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Senior Software Engineer with 3.5+ years of experience building scalable frontend systems using React, Vue.js, and micro-frontend architectures. Improved performance by up to 40%, and led development of multi-tenant SaaS platforms with RBAC, real-time systems, and modular architectures.

## Experience

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### Senior Software Engineer, Clarivate

Apr 2025 – Present

- Led architecture of a **multi-tenant SaaS platform** with RBAC, supporting multiple enterprise clients with isolated data layers.
- Designed a **dynamic onboarding system** (4-step workflow, autofill, validation), improving completion rates and reducing drop-offs.
- Built a **headless component library** using reusable patterns, reducing duplicate UI effort and improving team velocity.
- Collaborated cross-functionally with backend and product teams to define scalable frontend architecture.

### Senior Software Engineer, Veersa Technologies

Aug 2022 – Mar 2025

- Migrated large-scale Vue 2 application to React using **Web Components**, improving performance by 30% and enabling gradual migration.
- Developed a **Progressive Web App (PWA)** with offline support and push notifications, improving accessibility in low-network conditions.
- Designed a **timezone-aware scheduling system**, solving global time inconsistencies for distributed users.
- Improved performance using **code splitting, lazy loading, and Lighthouse optimization techniques**.

### Software Engineer Intern, Veersa Technologies

Aug 2021 – Aug 2022

- Implemented **micro-frontend architecture** using Module Federation, enabling independent deployments across teams.
- Built secure authentication flows and implemented rate limiting and bot protection mechanisms.

## Projects

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### Service Request Platform (SaaS)

- Designed a **micro-frontend architecture** improving deployment independence and reducing release cycles by 35%.
- Built real-time tracking using **WebSockets**, improving system transparency and reducing user queries.
- Integrated **DocuSign APIs**, reducing manual document processing time by 40%.
- Optimized performance using caching and lazy loading, improving load time by 30%.

### KIPU Healthcare Platform

- Developed a real-time Kanban system using **Socket.io**, supporting concurrent updates across users.
- Reduced UI latency by 40% via optimized state management and memoization strategies.
- Reduced form errors by 25% using schema-based validation (React Hook Form + Zod).

## Skills

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**Languages:** JavaScript, TypeScript

**Frontend:** React, Vue.js, Angular, Next.js

**Backend:** Node.js, Express.js

**Databases:** MongoDB, MySQL

**Other:** Micro-frontends, RBAC, PWA, Docker, Storybook

## Education

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### B.Tech in Computer Science

The Technological Institute of Textile and Sciences

2018 – 2022

CGPA: 8.5

## Achievements

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- Recognized as **Rapid Adaptor** at Clarivate for managing multiple concurrent projects.
- Awarded **High Flyer Award** for outstanding performance at Veersa Technologies.