

# Gurjeet Singh Virdee

Frontend Engineer

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## SUMMARY

Frontend Engineer with 3+ years of experience building scalable web applications using React and Next.js. Currently serving as Frontend Maintainer at Appwrite, with a track record of mentoring 200+ developers and contributing to high-traffic platforms like GeeksforGeeks. Specialized in performance optimization, accessible UI development, and modern JavaScript frameworks.

## TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3
- **Frontend:** React.js (3+ yrs), Next.js (2+ yrs), Redux, Zustand, Vite
- **Styling:** Tailwind CSS, Styled Components, CSS-in-JS, Responsive Design, CSS Animations
- **Specialized:** Three.js, React Three Fiber, D3.js, Recharts, WebGL
- **Backend:** Node.js, Express, REST APIs, Appwrite, Firebase, MongoDB
- **Tools:** Git/GitHub, Figma, Adobe XD, Lighthouse, Jest, Browser DevTools
- **Best Practices:** Accessibility (WCAG), Performance Optimization, Cross-Browser Testing, SEO

## PROFESSIONAL EXPERIENCE

<b>Appwrite (Open Source Backend-as-a-Service)</b>	Oct 2024 – Aug 2025
<i>Frontend Maintainer &amp; Developer</i>	<i>Remote</i>
– Lead frontend quality initiatives for open-source platform serving 100K+ developers, conducting UI/UX audits and implementing fixes across 50+ React components	
– Reduced dashboard load time by 28% through strategic code splitting, lazy loading, and bundle optimization (2.1MB to 1.5MB)	
– Collaborate with core team on design system implementation, ensuring consistency across console, documentation, and marketing pages	
– Review and merge community PRs, mentoring contributors on React patterns, TypeScript best practices, and component architecture	
<b>Outlier AI</b>	Oct 2024 – Feb 2025
<i>Frontend Code Reviewer &amp; QA Specialist</i>	<i>Remote</i>
– Evaluated AI-generated frontend code for production readiness, identifying bugs, accessibility issues, and performance bottlenecks	
– Provided technical feedback on React component architecture, state management patterns, and modern web standards to improve AI model outputs	
<b>NullClass (EdTech Startup)</b>	Jan 2023 – Apr 2023
<i>Frontend Developer Intern</i>	<i>Remote, India</i>
– Built responsive authentication flows and real-time chat interface using React and Tailwind CSS, achieving 25% improvement in user onboarding completion	
– Optimized bundle size and rendering performance by 15% through code splitting, memoization, and efficient state management	
– Collaborated with backend team on REST API integration, implementing robust error handling and loading states for better UX	
<b>GeeksforGeeks (Tech Education Platform)</b>	Oct 2021 – Apr 2022
<i>Technical Content Intern</i>	<i>Remote, India</i>
– Authored 15+ in-depth technical articles on frontend development, JavaScript fundamentals, and React, reaching 120,000+ readers	
– Created interactive code examples and visual diagrams to explain complex concepts like closures, event loop, and virtual DOM	
– Collaborated with the editorial team to ensure technical accuracy and clarity, maintaining high content quality standards	
– Contributed to frontend improvements for article pages, suggesting UI enhancements that improved reader engagement metrics	

## FEATURED PROJECTS

<b>Mediakit - Privacy-First Media Toolkit</b>	<i>Next, TypeScript, Shadcn, Appwrite, Tailwind CSS</i>
– Built browser-based image compression tool processing files entirely client-side, ensuring zero data leaves the user's device for complete privacy	
– Achieved up to 94% compression ratio (12MB to 50KB) while maintaining visual quality using advanced Canvas API algorithms and format optimization	
– Implemented multi-threaded processing with Web Workers for non-blocking UI, supporting JPEG, PNG, and WebP formats with real-time preview	
– Architected extensible plugin system for future tools (video compressor planned), with modular architecture supporting easy feature additions	
<b>Latency Topology Visualizer</b>	<i>Next.js 15, TypeScript, Three.js, React Three Fiber, Recharts</i>
– Built interactive 3D globe visualization displaying real-time network latency data between 50+ crypto exchanges and cloud regions	

- Implemented WebGL rendering maintaining 60fps performance with animated connection paths, tooltips, and dynamic filtering
- Created dual visualization modes (3D + 2D charts) with synchronized updates and historical trend analysis using Recharts

**EventHub - Event Management Platform***Next.js 14, MongoDB, Tailwind CSS, Clerk Auth, Zod*

- Developed event management system with role-based dashboards for organizers, attendees, and administrators
- Streamlined event creation workflow from 12 steps to 4 through intuitive multi-step forms with real-time validation using Zod
- Implemented advanced search, filtering, and pagination handling 1000+ records with optimized database queries

## OPEN SOURCE & COMMUNITY LEADERSHIP

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**Open Source Ecosystem**

Oct 2020 – Present

*Active Contributor & Community Mentor*

- Contributed 250+ pull requests to 20+ open-source projects (Appwrite, GirlScript) focusing on frontend features, UI components, and accessibility
- Mentored 200+ developers through code reviews, technical workshops, and pair programming sessions on React, Git workflows, and best practices
- Ranked Top 10 globally in GirlScript Summer of Code 2022 among 10,000+ participants
- Recognized as GitHub Discussions Role Model for community engagement and technical guidance
- Published npm package with 150+ downloads, demonstrating ability to create reusable developer tools

## EDUCATION

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**Amity University**

Noida, India

*Bachelor of Computer Applications, CGPA: 8.81/10.0*

2021 – 2024