


Shubham Gupta

Software Engineer

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 LinkedIn

Profile

Software Engineer with ~4 years of experience building scalable, high-performance web applications for consumer-facing platforms. Strong expertise in JavaScript, TypeScript, React.js, and Node.js, with hands-on experience in OTT platforms, video playback systems, REST APIs, and performance optimization. Proven ability to deliver production-ready features, collaborate in Agile teams, and improve user experience at scale.

Professional Experience

NeuralGarage

01/2025 - Present

Software Engineer

Bengaluru, India

- Contributed to a video editor application by implementing timeline handling, playback state management, and clip operations such as split, trim, and seek.
- Developed full-stack product features including a dynamic blog system with secure authentication and role-based access.
- Revamped application architecture to improve performance, usability, and maintainability.
- Owned key frontend modules, resolved critical production issues, and collaborated with cross-functional teams to deliver features on time.
- Optimized UI flows and product pages, reducing initial load time and improving user engagement and editor responsiveness, especially for video-heavy workflows.

Zee5 (Zee Entertainment Enterprises Ltd)

05/2022 - 01/2025

Software Development Engineer

Bengaluru, India

- Designed and developed reusable UI components (cards, banners, modals) to standardize design systems and accelerate feature development.
- Built responsive movie landing pages and playback screens, ensuring consistent UX across desktop, tablet, and mobile devices.
- Developed and optimized RESTful APIs to enable secure and efficient frontend-backend communication for a feature flag system
- Implemented lazy loading and code splitting to improve performance in high-traffic user journeys.
- Replaced heavy third-party libraries with custom optimized solutions, reducing Total Blocking Time (TBT) by ~7s and improving Speed Index by ~4s.
- Collaborated closely with product managers, designers, and engineers in Agile/Scrum teams to deliver high-quality features on schedule.

Skills

Languages

JavaScript, TypeScript, Java

Video & Streaming

Web Video Playback, HTML5 Video, HLS & DASH concepts, WebRTC (fundamentals)

Tools

GitHub, JIRA, Confluence, MS Teams

Frontend

React.js, Nextjs, Redux, Tailwind CSS, HTML5, CSS

Backend

Node.js, Express.js, REST APIs

Testing

Jest, Selenium, Unit & Integration Testing

Projects

Video Streaming Player

Custom video player supporting HLS and DASH playback with adaptive quality switching. Implemented streaming workflows including manifest handling, buffering states, playback error handling, and integration with a backend video streaming service for media delivery and playback control.

Video Streaming Service

Backend service responsible for video ingestion, storage, and delivery. Implemented media streaming workflows including video upload handling, manifest generation, stream preparation, and secure media delivery to the player. Designed to support scalable streaming use cases and seamless integration with frontend video players.

AI Image Generator

Full-stack application with authentication, cloud image storage, and asynchronous image generation workflows.

Education

Master of Computer Applications (MCA)

Integral University, Lucknow

Bachelor of Computer Application (BCA)

Swami Vivekanand Subharti University, Meerut