

# Yusuf Ahmed

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## SUMMARY

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Mid-level Frontend Engineer with 3 years of work experience specializing in web development using modern Frontend tools and real-time communication systems using NodeJS. Led the development of multiple frontend applications with a focus on performance, reliability, and scalability. Proficient in leveraging AI assisted tooling for rapid development.

## EXPERIENCE

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### Senior Frontend Engineer

Sep 2025 – Mar 2026

*Terisoft Solutions*

*Hyderabad*

- Resolved numerous long-standing bugs in an unstable React application running in production serving 10k+ daily users, significantly improving application stability and user experience.
- Led complete rewrite of the application from scratch to modernize the tech stack, implementing robust error handling, bug tracking system for frontend crashes and backend schema deviations, automated contract testing in CI/CD, and built a scalable design system and codebase architecture.
- Created a scalable React template for bootstrapping projects using modern build tools and recommended React ecosystem libraries, with variants for design-system agnostic, shadcn/Tailwind, and MUI implementations.

### Frontend Developer

Jun 2023 – Aug 2025

*Quarterstack Technologies*

*Bangalore (Remote)*

- Built a gesture-enabled human anatomy SVG viewer with support for pan, zoom, and touch interactions across devices.
- Developed a high-performance data visualization QA tool for energy clients with interactive charts (1M+ points, 50+ traces per chart) using Zustand, Highcharts, and MUI, achieving sub-second chart updates.
- Delivered a PWA for hair clinics using MediaPipe for real-time face tracking and positioning guidance to improve image capture accuracy.

## TECHNICAL SKILLS

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**Languages:** HTML5, CSS3, JavaScript, TypeScript, SQL

**Frontend:** React.js, Next.js, TailwindCSS, WebRTC, Jest

**Backend:** Node.js, NestJS, ExpressJS, SQL/NoSQL Databases, WebSockets, Postman, Janus (SFU)

**Development Tools:** Neovim, Tmux, Claude code, Cursor, Linux, Docker

**Cloud:** Cloudflare, AWS

## PROJECTS

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### ClearComms – P2P Video Conferencing Microservice

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- Built a video calling microservice supporting one-to-one video calls and conferences with real-time chat, utilizing Janus SFU for WebRTC media routing and Websockets for signaling.
- Added support for comprehensive call features including camera/microphone controls, network-based quality optimization (simulcast), host moderation for screen sharing, screenshot capture with notifications, raise hand functionality, and reactions system.
- Deployed on AWS EC2 using Docker Compose with comprehensive Swagger API documentation, serving as the foundation for client applications with plans for scaling to support hundreds of concurrent calls.
- Technologies used - Typescript, Express, WebSockets, Janus, PostgreSQL, Redis, Docker, AWS EC2, Swagger.

### PlotExpress – Data Visualization Playground

[github.com/yusuf-9/plotexpress](https://github.com/yusuf-9/plotexpress)

- Built a Local-first data visualization playground supporting multiple file formats (CSV, XLSX, JSON) with customizable chart properties, dark/light mode themes, and PNG/SVG export capabilities.
- Implemented serverless architecture using Cloudflare Workers and R2 storage with pre-signed URLs for secure workspace sharing, and leveraged IndexedDB for local data persistence.
- Technologies used - React, Typescript, Tailwind, eCharts, Zustand, Cloudflare workers, Cloudflare R2

## EDUCATION

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### BAMU

*Bachelor of Computer Applications*

Aurangabad, MH

*Jun 2022 – Jun 2025*