

Asad Mahmood

Senior Full-Stack Engineer | React · Node.js · TypeScript · Real-Time Systems

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PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 10+ years of experience building scalable SaaS platforms, real-time communication systems, and API-driven web applications. Deep expertise in React, TypeScript, and Node.js, with a strong background in WebRTC-based live audio/video, WebSocket integrations, analytics dashboards, and JavaScript SDK development. Experienced technical lead with a track record of delivering full-stack features end-to-end within small, high-velocity product teams. Available to join immediately.

CORE TECHNICAL SKILLS

Frontend: React, TypeScript, Next.js (familiar), Angular 17, RxJS, Tailwind CSS, PrimeNG, HTML5, CSS3

Backend: Node.js, Express, PHP/Laravel, REST APIs, WebSockets, OAuth / third-party API integrations

Databases: MySQL, PostgreSQL, MongoDB, Redis (caching & pub/sub)

Real-Time & AI-Adjacent: WebRTC (SDP-level), WebSockets, live streaming, JavaScript SDK development, AI workflow integration (LLM APIs)

DevOps & Cloud: Docker, Azure DevOps, AWS EC2, CI/CD pipelines, Git

SaaS & Tooling: B2B SaaS platforms, analytics dashboards, lead management, Agile/Scrum, Jira, ClickUp

WORK EXPERIENCE

Lead Frontend Engineer | Foviro Private Limited — Lahore

March 2024 – Present

Leading frontend development for Zenbee, a B2B Sales Intelligence SaaS platform for sales and marketing teams.

- Architected the full frontend re-build from a legacy stack to Angular 17 + TypeScript, with RESTful API integration and real-time WebSocket data feeds.
- Built analytics dashboards and lead management features used by sales teams to track pipeline and prospect activity.
- Led a team of 5+ engineers — defined standards, ran code reviews, and reduced review cycle time by 30%.
- Collaborated directly with stakeholders to scope and ship product features end-to-end.

Stack: Angular 17, TypeScript, RxJS, PrimeNG, Tailwind CSS, WebSockets, REST APIs, Azure DevOps, Docker

Lead Frontend Developer — JavaScript SDK Team | Norgic / Vdotok — Lahore

July 2021 – December 2023

Led the JS/TypeScript team building two production SDKs: a Messaging SDK and an Audio/Video Calling SDK, both consumed by external developer communities.

- Implemented WebRTC at the SDP level, cutting live streaming latency from ~1 second to milliseconds — directly applicable to real-time meeting intelligence features.
- Built a screen-sharing JavaScript SDK for mobile web browsers where native support doesn't exist.
- Led 6 months of R&D that reduced SDK bug density by 65% and improved reliability for real-time audio/video sessions.
- Managed client meetings, system architecture, and junior engineer mentorship across a cross-functional team.

Stack: TypeScript, ES6+, WebRTC, WebSockets, Node.js, JavaScript SDK development, Git

Senior Full-Stack Software Engineer | 3S Solutions — Sibme (USA-based SaaS)

June 2018 – August 2021

Core team member for Sibme, a successful US-based edtech SaaS product. Contributed across the full stack for 3 years.

- Led a team of 4 engineers, owning requirements, architecture, development, and DevOps — contributing to a 128% increase in product demand over 3 years.
- Built analytics and reporting dashboards handling large-scale datasets used daily by thousands of users.
- Optimized backend report load time by 25% using Redis caching on top of complex SQL queries.
- Integrated OAuth and third-party APIs; managed CI/CD pipeline and AWS EC2 deployments.

Stack: Angular, Node.js, PHP/Laravel, MySQL, Redis, AWS EC2, Docker, Git

Senior Node.js & Angular Developer | NetRoots Technologies — Lahore

December 2017 – June 2018

- Led development of hybrid mobile applications and a client data management platform, achieving a 40% improvement in customer satisfaction.
- Built REST APIs and backend services in Node.js; integrated third-party scheduling and reporting services.

Stack: Node.js, Angular, Ionic, REST APIs

PHP / Angular Developer | Shayan Solutions — Lahore

March 2017 – December 2017

- Built analytics and reporting modules handling thousands of users — efficient SQL queries, stored procedures, and Angular 4 UI components.

Full-Stack Developer | Bluehorntech — Lahore

June 2015 – May 2017

- Started career building full-stack platforms in PHP, HTML5, CSS3, and JavaScript. Deployed and maintained applications on AWS EC2.

EDUCATION

Bachelor of Software Engineering (BSSE)

Virtual University of Pakistan — Lahore | 2014 – 2019