

# Muhammad Alam

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**Full Stack Developer | React.js | Next.js | Node.js | TypeScript | MERN**

## SUMMARY

Full-stack developer with 2+ years of experience building scalable web applications using React.js, Next.js, and Node.js. Skilled in responsive UI development, REST API integration, real-time systems (WebSockets), SQL/NoSQL databases, authentication, and performance optimization. Proficient in modern web architecture and MERN stack.

## TECHNICAL SKILLS

**Frontend:** React.js, Next.js, TypeScript, Tailwind CSS, Redux Toolkit, Responsive Design

**Backend:** Node.js, Express.js, NestJS, REST APIs, WebSockets (Socket.io), JWT Authentication

**Databases:** PostgreSQL (SQL, Prisma ORM, Indexing, Query Optimization), MongoDB (NoSQL, Aggregation, Indexing)

**Caching & Queues:** Redis, BullMQ

**DevOps & Tools:** Docker, Git, GitHub, GitLab, Postman, Vercel

**Additional:** Data Structures & Algorithms, RESTful API Design, Agile/Scrum, System Design

## PROFESSIONAL EXPERIENCE

**Frontend Developer | Veyn.ai | Islamabad | June 2024 - Present**

- Developed and optimized 3+ AI-driven web applications using React.js and Redux Toolkit for production users across voice, email, and media monitoring platforms
- Integrated REST APIs and real-time WebSocket streams, achieving <100ms end-to-end latency for live communication features
- Improved frontend performance, reducing average response time by ~25% through efficient Redux state and data handling

### Key Projects

- **AI Voice & Chat Platform:** Built real-time communication interfaces with WebSockets and optimized streaming data handling
- **AI Email & Chat Platform:** Developed scalable dashboards and conversation UIs, improving rendering and API sync speed by 30%
- **AI Media Monitoring Platform:** Designed analytics interfaces for real-time tracking and visualization, enhancing data clarity and usability

## PROJECTS

### Outreachly: AI-Powered Email Outreach Platform

- Built a full-stack AI email outreach platform using Next.js, TypeScript, Supabase, and PostgreSQL
- Integrated OpenAI for personalized email generation and contextual AI replies
- Implemented Resend for email sending, tracking, webhooks, and automated outreach workflows

### Social Mini SaaS Backend

- Built scalable backend APIs using Node.js, Express.js, and PostgreSQL with Prisma ORM
- Implemented Redis caching and rate limiting, reducing average DB query load by ~40% for 500+ concurrent requests
- Integrated BullMQ for background job processing, handling 1,000+ async tasks daily
- Containerized services using Docker

### Summedify: AI-Powered Media Summarizer & Translator

- Led a team of 3 to build a full-stack MERN app using Next.js, Node.js, Express.js, and MongoDB
- Integrated AI models for transcription, summarization, and multilingual translation

## EDUCATION

**BS Software Engineering** - UET Taxila | 2021 - 2025 | CGPA: 3.76/4.00

**HSSC** - IMPC H-8, Islamabad | 2019 - 2021 | Score: 1033/1100 (94%)