

MOHAMMED AADIL ALVI

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PROFESSIONAL SUMMARY

Full Stack Engineer with **4+ years of experience** building scalable frontend systems and backend APIs. Specialized in **React, Micro Frontend architecture, Node.js, and AI-integrated UIs**. Proven track record delivering **multi-tenant platforms, design systems, and data-driven dashboards** across real estate, travel, and AI SaaS domains. Passionate about building accessible, performant, and developer-friendly interfaces with a strong eye for UX and system design.

SKILLS

Frontend: ReactJS, NextJS, Redux Toolkit, React Hooks, Tailwind CSS, SCSS, MaterialUI, React Router DOM, Micro Frontend, Storybook, Design Tokens, WCAG

Backend: Node.js, Express.js, REST API, PostgreSQL, MongoDB, RabbitMQ, Multer, Socket.IO, JWT, OCR API Integration

Real-Time & Media: LiveKit React SDK, WebRTC, Janus, eJabberd, Socket.IO, Server-Sent Events (SSE)

Internationalization: i18next, RTL/LTR, Arabic & English Multilingual Support

Testing: Jest, React Testing Library

DevOps & Tools: Jenkins, Docker, Git, CI/CD, Webpack, Vite, Parcel, Babel, Jira

General: TypeScript, JavaScript, Performance Optimization, Agile Methodologies

EXPERIENCE

Frontend Engineer | **Masdr (via Staunch Consultancy)** | *Mumbai, India* Nov 2024 – Present

Call Me Masdr — *Micro Frontend Customer Service App*

Tech Stack: *React, Redux Toolkit, Tailwind CSS, i18next, Micro Frontend, LiveKit SDK, Jenkins, Node.js*

- Built a **multi-tenant**, product-driven Customer Excellence platform with real-time calling capabilities using **Micro-Frontend architecture**, enabling scalable and isolated feature development across multiple client deployments.
- Developed **AI-powered Call Analysis** dashboards integrating speech-to-text transcription, automated summarization, sentiment analysis, and intent extraction **reducing manual QA review effort by 60%** and enabling data-driven performance monitoring.
- Integrated **Agentic AI** management UIs allowing users to configure multiple AI agents with assigned knowledge sources, structured Q&A content, and self-service tool management without technical intervention.
- Built **Virtual AI Agent** configuration interfaces and enforced **role-based, tag-based access controls** for managing avatars, personality, language, and channel capabilities (chat/voice/video) per tenant, improving response accuracy **by 30%**.
- Implemented multilingual support (Arabic & English) using i18next with full **RTL/LTR** compatibility, improving user adoption across regional markets **by 25%**.
- Integrated **LiveKit React SDK** on the frontend to handle real-time audio/video room management, participant state, and media track rendering by directly consuming **LiveKit APIs** — with the architecture supporting per-tenant provider switching across **Janus WebRTC, eJabberd**, and other SDK-based media flows without backend coupling.
- Implemented **CI/CD pipelines via Jenkins** for automated builds, testing, and deployment across multiple tenant environments, reducing release cycle time significantly.

Masdr Storybook — *Design System & Component Platform*

Tech Stack: *React, Storybook, i18next, Design Tokens, ARIA, SCSS*

- Architected a **centralized CX Design System** from scratch using Storybook, establishing it as the **single source of truth** for reusable UI components across multiple tenant-based products, eliminating redundant development at scale.
- Developed a scalable, accessible component library covering buttons, forms, modals, data tables, and layouts built on **design tokens** with full RTL/LTR multilingual support, reducing localization effort **by 40%**.

- Enforced **accessibility-first** standards using ARIA attributes, semantic HTML, and keyboard navigation, improving WCAG alignment and boosting frontend development efficiency **by 35%**.
- Established component documentation with live interactive examples, props controls, and usage guidelines — **accelerating developer onboarding by 50%** and eliminating dependency on verbal knowledge transfer.

Full Stack Engineer | **Acaira Technologies Pvt. Ltd.** | *Mumbai, India*

July 2021 – Nov 2024

Travelofy — *End-to-End Visa Processing Platform*

Tech Stack: *Node.js, PostgreSQL, Express.js, JavaScript, JWT, Multer, CryptoJS, Nodemailer, Axios, pg-promise*

- Reduced manual data entry errors **by 30%** and accelerated data extraction speed **by 60%** by integrating a third-party **OCR API**, eliminating repetitive input workflows and improving operational accuracy.
- Architected a secure authentication system using **JWT refresh tokens** and **OTP-based login**, ensuring persistent session management and multi-layer user verification.
- Engineered a high-performance **PostgreSQL data layer** using stored procedures, UUID-based record identification, and a scalable schema — supporting long-term application growth with minimal query latency.
- Streamlined the file upload pipeline using Multer and automated user communication via Nodemailer, reducing manual follow-up overhead and improving applicant engagement.
- Applied asynchronous programming patterns and connection pooling to handle concurrent operations efficiently, improving overall application responsiveness and throughput.

NeralProperties — *CRM & Booking Software*

Tech Stack: *Node.js, PostgreSQL, Express.js, JavaScript, JWT, Mongoose, MongoDB, RabbitMQ*

- Boosted company efficiency **by 30%** and employee productivity **by 20%** through streamlined customer, inventory, and lead management across the platform.
- Built a full-stack booking system managing leads, flat availability, inventory, and channel partners with **role-segregated data access** for admins, tele-callers, and partners.
- Integrated **RabbitMQ message queuing** to prioritize API calls, manage authorized data access per user role, and decouple service communication for reliable multi-user operations.
- Developed RESTful APIs via API gateway for seamless async data retrieval, insertion, and updates, enabling smooth client-service interactions across all modules.

Acaira CRM — *Customer Relationship Management*

Tech Stack: *React JS, Redux, Tailwind CSS, React Router DOM, React-Table, Node.js, PostgreSQL, Express.js, JWT, MongoDB*

- Built a full-stack CRM system improving customer data management efficiency **by 20%**, with a responsive React-based UI and RESTful API integration for dynamic cross-device data handling.
- Implemented **JWT-based authentication** and role-based authorization for secure user access, and designed a scalable Node.js backend with async processing for seamless client-service interactions.
- Designed reusable React component architecture with Redux for predictable state management, reducing UI bug rate and improving maintainability across the codebase.

EDUCATION

Bachelor of Science in Computer Science — Mumbai University, Mumbai, India

2017 – 2020

MERN Stack Bootcamp Certification — AttainU, Remote, Maharashtra

2020 – 2021