MUHAMMAD AHMED

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Lahore, Punjab, Pakistan

SENIOR MERN STACK DEVELOPER

Senior MERN Stack Developer with 4+ years of experience building scalable web applications, dashboards, and automation systems. Specialized in Next.js, NestJS, TypeScript, and Node.js, with a strong focus on clean architecture, performance, and maintainable codebases. Delivered SaaS products, blockchain/payment platforms, IoT dashboards, and AI-integrated solutions. Comfortable owning features end-to-end, collaborating with cross-functional teams, and optimizing APIs and frontend performance.

STRENGTHS AND EXPERTISE

Strong problem-solving and debugging skills	Clean, maintainable code with attention to detail	Effective communicator and reliable team player

PROFESSIONAL EXPERIENCE

PieCyfer – Lahore, Pakistan   **Aug 2025 – Present**
MERN Stack Developer

Accomplishments:

- Designed, developed, and deployed the backend for a multi-vendor eCommerce platform using NestJS, Node.js, and MySQL.
- Implemented vendor onboarding, product and order workflows, commissions, and transaction records with a modular architecture.
- Used Redis for OTP authentication and caching, improving response times and reliability under load.
- Integrated BullMQ for background jobs (SMS, email, notifications) to handle asynchronous workflows at scale.
- Implemented Stripe and Stripe Connect for secure payments, vendor payouts, and platform fees.
- Configured AWS S3 for secure storage of product assets and vendor documents using signed URLs and access policies.
- Collaborated with Next.js + Tailwind frontend team to align APIs with Figma designs and deliver a consistent UX.
- Implemented RBAC, validation, logging, and error handling to support scalability and maintainability.

Gateso (Remote)   **Jan 2024 – Aug 2025**
Full Stack Developer

Accomplishments:

- Led frontend development for a blockchain-based web application using Next.js and TypeScript.
- Built responsive dashboards and admin panels for managing wallets, transactions, and blockchain data.

- Collaborated with backend engineers using NestJS to define contracts, debug integrations, and refine data models.
- Translated Figma designs into reusable UI components, ensuring consistency across the application.
- Implemented robust error handling for blockchain operations (transaction statuses, confirmations, network failures).
- Actively contributed in an Agile environment (sprints, stand-ups, retrospectives) while maintaining high code quality.

InsighthubTech (Remote)   **Jul 2024 – Jun 2025**
Senior Frontend Developer

Accomplishments:

- Led development of data-intensive dashboards and internal tools using React.js, Next.js, and TypeScript.
- Implemented state management with Zustand and data fetching with React Query for predictable data flow.
- Used Next.js SSR and SSG to improve SEO and reduce time-to-first-byte (TTFB).
- Built reusable UI and chart components with Tailwind CSS, Recharts, and Framer Motion.
- Optimized performance through code splitting, lazy loading, and memoization, reducing bundle size and load times.
- Worked closely with backend teams and product owners to refine requirements and deliver features on time.

Business Solutions & Services (BSS) – Lahore, Pakistan   **May 2023 – Dec 2023**
Software Engineer

Accomplishments:

- Developed the Createsmart web application using ReactJS, Redux, HTML5, CSS3, and JavaScript.
- Implemented pixel-perfect UIs from Figma and standardized styling across workflows.
- Integrated REST APIs with Axios and Redux Thunk, handling complex asynchronous logic and error states.
- Refactored components into reusable blocks to improve maintainability and speed up feature delivery.
- Participated in code reviews and performance optimization.
- Contributed to a React Native mobile project for UI improvements and component optimization.

Business Solutions & Services (BSS) – Lahore, Pakistan   **Jan 2022 – Jul 2023**
React Developer

Accomplishments:

- Built the initial version of Createsmart using ReactJS, Redux, HTML5, CSS3, and JavaScript.
- Implemented interactive UI from Figma, including forms, modals, and dynamic content.
- Worked with Node.js, Express, and MongoDB on backend tasks and integrations as needed.
- Integrated REST APIs using Fetch and Axios with Redux Thunk to manage loading and error states.
- Assisted on a React Native project, focusing on layout and performance on mobile devices.

PROJECTS

Nail The Interview – AI Interview Preparation Platform
Jun 2025 | React, TypeScript, Vite, Supabase, Tailwind CSS, Google OAuth, REST APIs

- Built an AI-powered platform for mock interviews with adaptive questions and feedback.
- Implemented role-based access for admins, mentors, and candidates with tailored dashboards.
- Used Supabase for auth, database, and storage, ensuring secure user management.
- Designed a clean, responsive UI focusing on clear onboarding and user flows.

ShipSense – IoT Shipment Tracking Dashboard
Jun 2025 | React, TypeScript, Recharts, Tailwind CSS, REST APIs

- Developed a dashboard to monitor shipments using IoT sensor data (temperature, humidity, location).
- Created data visualizations and status indicators to surface anomalies and shipment health.
- Implemented filtering, search, and detailed views for operations teams.

AMA Energy – CRM Application for Solar Company
Mar 2025 | React/Next.js, TypeScript, Node.js/NestJS, MongoDB/MySQL, Tailwind CSS

- Built a CRM platform to manage leads, customers, and solar projects.
- Implemented lead pipelines, contact history, and dashboards for key sales metrics.
- Added role-based access for sales, admin, and management users.

Facade AI – Building & Cradle Management Platform
Jan 2025 | React/Next.js, TypeScript, 3D visualization libs, Tailwind CSS

- Created a platform to manage building facades and cradles using IoT and AI data.
- Displayed building structures, cradle positions, and equipment metrics in an intuitive UI.
- Integrated real-time data feeds for alerts and maintenance schedules.

Alphaspay – Blockchain Payment Gateway
Mar 2024 | Next.js, TypeScript, Node.js/NestJS, blockchain APIs, Tailwind CSS

- Built a web app to accept and withdraw crypto payments via a user-friendly interface.
- Implemented flows for payment requests, transaction status, and confirmations.
- Integrated with blockchain APIs to show live transaction details.

Alphaspay Website
Feb 2025 | Next.js, React, Tailwind CSS

- Developed the marketing site for Alphaspay with responsive, SEO-friendly pages.
- Highlighted product features, pricing, and onboarding steps with clear CTAs.

MBFX – Trading Website
Jan 2023 | HTML5, CSS3, JavaScript

- Built a trading website UI for stocks, commodities, currencies, and indices.
- Implemented interactive tables, tabs, and layouts for real-time market data.

Fuse Financial – Banking Application
Jan 2023 | React, JavaScript, REST APIs, CSS

- Contributed to a digital banking app handling account views, transactions, and forms.
- Integrated backend APIs for balances, histories, and user profiles.

Createsmart – Presentation & Template Builder
Feb 2022 | React, Redux, JavaScript, HTML5, CSS3

- Built tools for users to design presentations, email templates, and landing pages.
- Implemented a component-based editor and export functionality for campaigns and websites.

SKILLS

Frontend:
React.js, Next.js, React Query, Zustand, Tailwind CSS, HTML5, CSS3, JavaScript (ES6+), TypeScript, Recharts, Framer Motion, Vite

Backend:
Node.js, NestJS, Express.js, REST API design, Authentication & Authorization (JWT, sessions, RBAC)

Databases:
MongoDB, MySQL, Redis

Cloud & DevOps:
AWS (S3), Redis, BullMQ, background jobs, Playwright (E2E), basic CI/CD workflows

Payments & Integrations:
Stripe, Stripe Connect, third-party APIs, email/SMS gateways

Architecture & Practices:
Modular architecture, layered services, caching, SSR/SSG, code splitting, lazy loading, clean code, SOLID-inspired patterns

Tools & Collaboration:
Git, GitHub, Jira, Figma, Agile/Scrum, code reviews

Domains:
SaaS, eCommerce, blockchain/crypto payments, IoT dashboards, CRMs, banking & trading apps

EDUCATION

Virtual University   **Mar 2024 – Oct 2028 (expected)**
Bachelors In Computer Science

Degree College, Mandi Bahauddin   **May 2020 – Jul 2022**
Intermediate in Computer Science

Govt M.B High School, Mandi Bahauddin   **Jan 2007 – Jul 2019**
Matriculation

References are available on request.