

ATCHAYA VIJAYAKUMAR

MERN Stack Developer

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👤 OBJECTIVE

As a skilled and passionate **MERN Stack Developer**, I design and develop **responsive, high-performance** web applications using **React, Node.js, Express**, and **MongoDB**. I leverage **React Hooks, Context API, Redux Toolkit**, and **Next.js** to create polished, **accessible frontend interfaces** and integrate backend services with efficient **APIs** and **database operations**. I use modern styling solutions such as **Material-UI** and **Styled Components** to deliver seamless **user experiences**. Writing **clean, modular**, and **maintainable TypeScript code**, I contribute to **scalable architectures** and thrive in **agile teams** with a strong commitment to continuous learning and adopting best practices across the **MERN ecosystem**. I'm now seeking an opportunity to leverage my expertise in **full-stack development**, collaborate effectively with **cross-functional teams**, and deliver impactful **digital solutions**.

🧠 TECHNICAL SKILLS

SKILLS

- **Web Technologies:** HTML5, CSS3, SCSS, JavaScript (ES6+), TypeScript, JSON
- **UI Frameworks & Libraries:** React, Next.js, Material-UI, Styled Components, React Router
- **Programming Languages:** JavaScript, TypeScript
- **Backend & Server:** Node.js, Express.js
- **Tools & IDEs:** Visual Studio Code, WebStorm, Create React App, Vite, NPM, Yarn, ESLint, Prettier
- **Version Control & Collaboration:** Git, GitHub, Bitbucket, Jira, ClickUp
- **Database & Data Services:** MongoDB, RESTful APIs, Firebase
- **Methodologies:** Agile (Scrum), CI/CD (GitHub Actions)

👜 PROFESSIONAL EXPERIENCE

AastraZen Technologies, MERN Stack Developer

05/2023 – Present | Chennai, India

Projects:

1. eKYC Platform Stack: React, TypeScript, Material-UI, React Router, Redux Toolkit, React Query, Axios, Node.js, Express.js, MongoDB, ClickUp, Bitbucket

Key Highlights: End-to-end **MERN stack eKYC platform** built with a modular, component-driven architecture, combining responsive frontend with robust backend services.

Core Features:

- **Document Upload & OCR Extraction:** Custom file uploader component with real-time validation and manual correction hooks. Backend API handles OCR processing and stores results in MongoDB.
- **Live Face Verification:** Integration of device camera APIs (MediaDevices.getUserMedia) with backend face-match service implemented in Node.js/Express.
- **Multi-Step Workflow:** Controlled routing and state flow using React Router and Redux Toolkit: Upload → Face Verify → OCR → Submit, with dynamic, stepwise visual feedback.

Validation & Compliance:

- **Admin Review Dashboard:** Built with React Query for retry logic, real-time status tracking, and efficient data fetching from Express APIs.
- **Form Validation:** React Hook Form and Yup for schema-driven client-side input validation.

Shared Utilities:

- Reusable Modal, Loader, and Error Boundary components for centralized UI patterns.
- Axios interceptors for global error handling and JWT token refresh management.

Architecture & Practices:

- Code splitting and lazy loading with React.lazy and Suspense for optimized performance.
- Clear separation of concerns between container and presentational components.
- Backend API structured with RESTful endpoints using Express.js and MongoDB for data persistence.

State Management:

- Redux Toolkit manages client-side application state.
- React Query handles server state and caching from backend APIs.

Security:

- JWT Authentication implemented with protected routes (PrivateRoute) and silent token refresh via Axios interceptor.
- Secure backend routes with Express middleware for authorization and validation.

Agile & Collaboration:

- Sprint planning and task tracking in ClickUp.
- Source control with Bitbucket using feature branches and pull-request reviews.

Impact:

- Achieved 70% reduction in user onboarding time through streamlined stepwise workflows.
- Reusable React components reduced code duplication and accelerated new feature delivery.
- Delivered responsive, accessible UI compliant with WCAG 2.1 AA standards, boosting user satisfaction and regulatory compliance.

EDUCATION

08/2019 – 03/2023

- BE – ECE, CGPA: 8.3/10 Anna University, Thanjavur

CERTIFICATES

Full Stack MERN Development | GUVI (IITM), 2025

Completed hands-on training in MongoDB, Express.js, React.js, and Node.js.

HTML, CSS & Tailwind CSS | GUVI (IITM), 2025

Certified in responsive web design using semantic HTML, modern CSS, and Tailwind CSS.

SOFT SKILL

Team Collaboration | Problem Solving | Time Management | Mentoring & Leadership | Communication