

MOHAMED SHABIL K

MERN STACK DEVELOPER

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PROFILE SUMMARY

Full Stack Developer with 2+ years of experience, specializing in JavaScript and modern frameworks including React.js, Next.js, TypeScript, and Node.js. Passionate about building scalable, maintainable web applications and delivering clean, efficient code across both frontend and backend.

TECHNICAL SKILLS

Frontend Technologies	: Next.js, React.js, Redux, Tailwind, Bootstrap, Shadcn
Backend Technologies	: Typescript, Node.js, Express.js, Microservice, Kafka
DevOps and Deployment	: Docker, CI/CD, Winston Logger, EC2, Elastic Beanstalk, MVC architecture
Tools and Libraries	: Git, GitHub, Postman, Figma
Integration Tools	: Amazon S3, EC2, SES, Clerk Auth, Razorpay, Stripe, Cloudinary, Socket.IO, SendGrid, ZegoCloud, Node Mailer, Multer, Zod, JWT, Twilio
Familiar with	: DSA, Kubernetes, Wordpress, Zustand, Internationalization (i18n)

EXPERIENCE

Full Stack Developer (TTAND Technologies) 2024 - Present

- Developed a **customizable, multi-tenant** tour booking engine using **Next.js**, **ShadCN**, and **TypeScript** for the frontend and **Node.js**, **Express.js**, **Sequelize**, and **PostgreSQL** for the backend.
- Implemented Redis caching, cutting **API response time by 40%** and **redundant calls by 18%**.
- Migrated a legacy **AngularJS** codebase to **React**, significantly enhancing application performance, user experience, maintainability, and developer productivity.
- Refactored backend codebase from **JavaScript** to **TypeScript**, enhancing type safety, reducing bugs, and improving overall code quality
- Developed and maintained features across multiple services in a **microservices-based architecture**, ensuring seamless integration and functionality
- Optimized frontend performance through **code splitting**, **lazy loading**, and **image optimization**, leading to faster load times and improved user engagement
- Collaborated closely with the UI designer to implement pixel-perfect designs, ensuring a seamless and visually appealing user interface.
- Conducted **8+ technical interviews**, successfully **hiring 2 developers**, strengthening the team.

Freelancer Developer 2022 - 2024

- Successfully completed projects for clients in India and abroad, delivering high-quality solutions tailored to their specific business needs.
- Demonstrated strong communication skills in managing client expectations, project timelines and deliverables, resulting in high client satisfaction and repeat business.
- Utilized agile methodologies to ensure timely and budget-conscious project delivery.

PROJECTS

Quick Hire - Social Media & Job Portal

 [Github](#)

Quick Hire is an innovative platform that combines social media features with job portal functionalities to create a unique space for job seekers and recruiters.

- Developed Quick Hire, a **Microservice** based social media and job portal application

- Implemented robust user authentication using **JWT** and OTP verification, ensuring secure access.
- Supported role-based access control (**RBAC**) for recruiters to post jobs and manage applications and for job seekers to apply, track applications and manage profiles.
- Integrated features such as media-rich posts, real-time chat and video calling for seamless user interaction.
- Leveraged **Node.js**, **TypeScript** for backend development and **Next.js** and **Shadcn UI** for frontend.
- Utilized **Docker** and **Kubernetes** for efficient scaling, ensuring high availability and performance.
- Built **CI/CD** pipeline using **Github Actions** reduced deployment time by 20% and ensuring consistent and reliable releases.
- Published a common **npm module** aimed at reducing code redundancy across different services.
- **Technologies Used:** Kafka, Next.js, Typescript, Node.js, Redux, MongoDB, Postgress, Tailwind, Shadcn, Github actions, Socket.io, WebRTC, AWS S3, Nodemailer, Docker, Kubernetes, zod

Trendsverse - E-Commerce Platform

 [GitHub](#)

Trendsverse is a comprehensive E-Commerce platform specifically designed for men's fashion, integrating both standard and advanced features, along with an admin account to manage and oversee the entire operations.

- Developed using **Node.js**, **EJS**, **MongoDB** and **MVC Architecture**.
- Implemented robust authentication and security measures including **token-based login (JWT)**, **Google authentication (OAuth2.0)**, OTP verification (**Twilio**, **Nodemailer**) and **Request rate limiting**.
- Ensured efficient product and inventory management with robust categories/product management, automatic image resizing and effective searching, sorting and filtering capabilities, along with category, inventory management and stock alert functionalities.
- Implemented effective product searching and filtering, product and category offers and coupons, allowing admins to add offers for categories, products and coupons with percentage discounts. Utilized **cron job** to automatically remove offers upon expiry dates.
- Provided comprehensive sales and analytics features including detailed sales reports, insights into most selling products, categories and graphical representations.
- Integrated **Razorpay** payment gateway for seamless and secure order processing, allowing users to purchase products with ease.
- **Technologies Used:** Node.js, ejs, MongoDB, MVC, EC2, OAuth2.0, JWT, Multer, Ajax, node-cron, Twilio, Node-mailer, Razorpay

MINI PROJECTS

Imaginate

 [GitHub](#)

- Full-stack web application developed using **Next.js** and **MongoDB**.
- Users can upload their images and Imagination will provide a background-removed version of the image.
- Implemented a credit-based system with **Stripe** integration, allowing users to purchase credits easily.
- Implemented **GitHub** and **Google authentication** using **Clerk** for a secure and easy login process.
- Implemented **Webhooks** to synchronize both payments and user signups with the application database.

EDUCATION

BCA - Bachelor of Computer Application

2020 - 2023

Calicut University

CGPA: 7.150