

# Suraj Khonde

## Full Stack (MERN) Developer

### Experience

#### Full Stack (MERN) Developer – Technolader Pvt Ltd, Jaipur May 2024 – Jul 2025

- Improved search speed by ~40% by implementing efficient query patterns and caching with Redis, reducing redundant database calls and enhancing user experience.
- Led debugging and troubleshooting across MERN applications, resolving critical production issues and ensuring 95% uptime for client systems.
- Minimized app crashes by 30% by implementing centralized error handling in Express middleware and React boundaries, ensuring smoother user flows.
- Built a Docker-based automation tool for bulk GPG → WebP conversion, reducing design team workload and improving website load speed by 6%.
- Built a DeFi staking platform with React–MetaMask integration for secure wallet login and automated blockchain transactions.
- Deployed MERN apps with AWS Lambda (serverless), ensuring scalability under heavy load.

#### Full Stack (MERN) Developer – Avisirah Technologies, Hyderabad Mar 2022 – Feb 2024

- Increased code reusability by 30% through React componentization, reducing maintenance overhead.
- Reduced client-side build size by 55% with code splitting and prioritized loading.
- Championed clean coding practices; ranked in team's top 10 for code quality and efficiency.
- Implemented basic authentication & authorization (JWT, bcrypt), strengthening data security and access control.
- Improved code maintainability by refactoring React components into reusable modules, reducing duplication.
- Documented RESTful APIs using Swagger, improving API clarity and reducing integration issues for frontend and third-party developers.

#### Equity Research Analyst – Non-Core Roles (2019–2022)

- Conducted financial analysis and authored research reports.
- Transitioned into software by upskilling in JavaScript, React, Node.js, and building personal MERN projects.

### Education

#### B.E. Mechanical Engineering – VTU, Belagavi (2018)

### Projects

#### FlickFlair [GitHub](#) | [Project Link](#)

React.js, Javascript, TailwindCSS, Node.js, Express.js, RestAPI, MongoDB, Redis

- Reduced client-side build size by 55% through code splitting and prioritized loading, significantly improving performance.
- Implemented server-side caching for expensive database queries, reducing data latency by 30% and improving response time.
- Deployed on AWS Lambda (serverless) to minimize database connections and ensure scalability under heavy load.
- Supports authentication functionality for user login, logout, and password recovery.
- Applied Singleton Pattern to create a single source of database connection, reducing overhead and improving query efficiency.

#### SkillForge [GitHub](#) | [Project Link](#)

React.js, ReactRouterDOM, TailwindCSS, Node.js, Express.js, RestAPI, MySQL

- Developed a secure authentication system utilizing JWT tokens and bcrypt encryption, ensuring data privacy and protection for user accounts.
- Integrated Multer for efficient file management, streamlining workflow processes, and enhancing productivity. Implemented pagination technology to optimize data retrieval, resulting in faster page loading times and enhanced user satisfaction. Implemented useContext to optimize API calls, resulting in a remarkable 40% reduction in expenses, showcasing strategic resource management skills. Facilitated interaction with fellow developers and HR teams, fostering collaboration and networking opportunities within the developer community.

#### NextAuth System [GitHub](#) | [Project Link](#)

Next.js, TypeScript, JWT, Refresh Tokens, TailwindCSS, MongoDB

- Built a Next.js authentication system in TypeScript with JWT + Refresh Tokens, enabling secure, scalable, and persistent login sessions.
- Implemented role-based access control (RBAC) and session management, ensuring seamless user experience while maintaining high security standards.

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[surajPortfolio](#)

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### Languages

JavaScript(ES6+)

TypeScript

Python

### Frontend

React.js

Redux Toolkit

TailwindCSS

Next.js

React-query

TanStack Query

React Router DOM

### Backend

Node.js

Express.js

REST API

OAuth

Nodemailer

### DataBase

MongoDB(Mongoose)

MySQL

Redis (for caching & session management)

### Testing

Jest

### DevOps & Tools

Git and GitHub

Docker

Postman

Swagger

Cloudinary

VSCode

### Deployment Platforms

GitHub Pages

Railway

AWS

### Build Tools / Bundlers

Webpack

Vite

Parcel

### Developer Tools

Chrome DevTools

React DevTool

### MORE PROJECTS

HappyMeal (MERN + RTK)

OldYT (MERN)

Drag&Drop (HTML+CSS+JS)

Drawing (JS Based game)

MusicDrum (React)

CodePen (React)