# Karthika KL

## Full Stack Developer

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Detail-oriented and passionate Full Stack Developer with expertise in the MERN stack. Excited to develop robust web applications and improve user engagement through effective coding practices. Seeking a challenging role to further my development skills in a collaborative setting.

## Skills

- **Languages:** C, SQL, JavaScript, TypeScript
- **Front-End Technologies:** HTML, CSS, JavaScript, Bootstrap, React, Redux, EJS, Tailwind CSS, Next.js
- **React Libraries:** React Router, Axios, Redux Toolkit, Styled Components
- **Back-End Technologies:** Node.js, Express, MongoDB, PostgreSQL, API, Firebase, Integration, Multer, RESTful APIs, Nodemailer
- **Tools and Platforms:** Git, GitHub, Postman, Figma, AWS, Nginx, VSCode
- **Concepts:** Data Structures and Algorithms, Object-Oriented Programming (OOP), JSON Web Tokens (JWT), MVC Pattern

## Education

**MERN Stack Development**                                        Sept 2023 – Present
Brototype, Kochi

**B.Tech**                                                        Aug 2018 – July 2022
**Electronics & Communication**
Government Engineering College, Thrissur

## Projects

**E-commerce Website: Selling Shoes**

**Technologies Used:** MongoDB, Node.js, Express.js, HTML, CSS, Razorpay API, Multer,node mailer,EJS

- Developed a comprehensive e-commerce application using the MERN stack for backend technologies and HTML/CSS for frontend.
- Implemented the MVC architecture to separate concerns and enhance maintainability of the application.
- Implemented user authentication and session management for secure user access.
- Enabled product and user management functionalities.
- Created cart functionality to facilitate product selection and purchase.
- Integrated offer and coupon management features.
- Developed order placement and management systems, including order cancellation and retry for failed payments.
- Implemented size variants for products to enhance user experience.

- Integrated multiple payment options, including Cash on Delivery and Razorpay.

- Utilized Multer for handling file uploads efficiently.

- Designed an admin panel for managing products, users, and orders.

*Source Code: Kicks-Co*

**User Management System**

**Technologies Used:** MongoDB, Node.js, Express.js, React, Redux, HTML, CSS, JWT

- Implemented separate user and admin interfaces for role-specific functionality.

- Enabled admin capabilities to add, edit, delete, and sort users.

- Integrated Redux to manage state across the application, ensuring seamless updates and data flow between components.

- Developed a secure backend API to support application operations.

*Source Code: User-management*

**To-Do List App**

**Technologies Used:** React,JavaScript,HTML,CSS

- Implemented functionalities to add, remove,edit and rearrange items in the list.

- Enabled users to move tasks up or down, providing flexibility in task prioritization.

*Source Code: To-Do-List*

**Netflix and OLX Clone Applications**

**Technologies Used:** React,Firebase, API Integration

- Implemented user authentication, ensuring secure access to application features.

- Integrated APIs to replicate functionalities similar to the original platforms.

*Source Code: Netflix Clone*
*Source Code: Olx Clone*

**Netflix and CRED clone**

**Technologies Used:** HTML, CSS

- Implemented user-friendly interfaces for smooth navigation and an engaging user experience.

*Source Code: CRED App Clone*
*Source Code: Netflix clone*