

# Karthika KL

Kottayam, Kerala — [karthika.kl.developer@gmail.com](mailto:karthika.kl.developer@gmail.com) — (+91) 907-498-3717

LinkedIn: [linkedin.com/in/karthika-kl](https://linkedin.com/in/karthika-kl) — GitHub: [github.com/karthikakl](https://github.com/karthikakl)

## Summary

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Passionate Full Stack Developer specializing in the MERN stack (MongoDB, Express.js, React, Node.js). Proficient in developing scalable and high-performance web applications and APIs. Skilled in both frontend and backend development with expertise in CI/CD pipelines, version control systems, and cloud technologies. Adept at collaborating with cross-functional teams and applying data-driven insights to build impactful solutions.

## Skills

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**Programming Languages:** JavaScript (ES6+), TypeScript, SQL, C

**Frontend Technologies:** HTML, CSS, React, Redux (Toolkit), Tailwind CSS, Bootstrap

**Backend Technologies:** Node.js, Express.js, MongoDB, PostgreSQL, Firebase, RESTful APIs, Multer, Nodemailer

**Tools and Technologies:** Git, GitHub, Postman, AWS, Nginx, VSCode

**Development Concepts:** CI/CD Pipelines, Data Structures, Algorithms, JWT, MVC Architecture

**Soft Skills:** Team Collaboration, Problem Solving, Time Management, Adaptability, Communication

## Education

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**Bachelor of Technology in Electronics and Communication Engineering**

Government Engineering College, Thrissur, Kerala

*Aug 2018 – July 2022*

## Experience

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**MERN Stack Developer**

Brototype, Kochi, Kerala

*Sept 2023 – Present (Ongoing)*

- Participated in a full-stack training program focused on React, Node.js, MongoDB, and cloud technologies.
- Built dynamic web applications and APIs with a focus on CI/CD pipelines and containerization.
- Collaborated in agile environments, improving efficiency through code reviews and team-based projects.
- Developed data-driven solutions, effectively communicating insights through user-centric applications.
- Gained hands-on experience in cloud platforms, containerization, and version control.

## Projects

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**E-commerce Website: Selling Shoes**

*Feb 2024 – Present*

*Technologies: MongoDB, Node.js, Express.js, Razorpay API, HTML, CSS, Multer, Nodemailer*

- Developed a scalable e-commerce platform with payment integration and API-based cart functionalities.
- Automated email notifications for transactions, enhancing user experience.

- Integrated CI/CD pipelines to streamline deployment and ensure reliability.
- **Source Code:** [github.com/karthikakl/Kicks-Co](https://github.com/karthikakl/Kicks-Co)

## **User Management System**

*Oct 2023*

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

- Created a secure, role-based user management system with data APIs and JWT authentication.
- Improved performance with optimized API calls and Redux state management.
- **Source Code:** [github.com/karthikakl/User-management](https://github.com/karthikakl/User-management)

## **Netflix and OLX Clones**

*Jan 2024*

*Technologies: React, Firebase, RESTful APIs*

- Built responsive clones featuring real-time data updates and Firebase-based authentication.
- Utilized cloud practices for deployment and secure API integration.
- **Source Code:** [github.com/karthikakl/Netflix-clone](https://github.com/karthikakl/Netflix-clone), [github.com/karthikakl/Olx-clone](https://github.com/karthikakl/Olx-clone)

## **React To-Do List**

*Oct 2024*

*Technologies: React*

- Built a to-do list app with features to add, delete, and rearrange tasks using drag-and-drop functionality.
- Focused on implementing a user-friendly interface and improving accessibility.
- **Source Code:** [github.com/karthikakl/To-do-list-app](https://github.com/karthikakl/To-do-list-app)