

# Karthikeyan Prabhu

📍 Tamil Nadu, India    ✉ karthikeyanprabhu8@gmail.com    ☎ +91 63802 17451    in linkedin/karthikeyan-prabhu    🌐 portfolio

## Profile Summary

Frontend Developer with solid experience in UI engineering and design-driven development, focused on building scalable, maintainable, and high-performance web applications. Proficient in converting complex UI/UX designs into clean, reusable, and pixel-accurate components using modern JavaScript frameworks. Strong understanding of responsive design, performance optimization, and API-driven interfaces, with proven ability to collaborate effectively with product, backend, and QA teams to deliver reliable and user-centric solutions.

## Education

<b>De Montfort University, Singapore</b> <b>Bachelor of Engineering (B.E) – Mechatronics Engineering</b>	<b>2015 – 2019</b>
<b>Auston Institute of Technology, Singapore</b> <b>Diploma – Electronics Engineering</b>	<b>2016 – 2017</b>
<b>Cornerstone International College, Chennai, India</b> <b>Diploma – Automobile Engineering</b>	<b>2015 – 2016</b>

## Key Skills & Expertise

- Frontend Architecture
- Component-Based Development
- Responsive & Adaptive Design
- UI/UX Implementation
- API Integration
- Performance Optimization
- State Management
- Cross-Browser Compatibility
- Accessibility (WCAG Basics)
- Agile / Scrum Collaboration
- Debugging & Problem Solving
- Code Quality & Refactoring
- **Frontend Technologies:** HTML5, CSS3, JavaScript (ES6+), TypeScript, React.js, Next.js, Angular
- **Styling & UI Frameworks:** Tailwind CSS, Bootstrap, CSS Flexbox, CSS Grid
- **State & Data Management:** Redux, Zustand, Context API, REST APIs, Fetch API, Axios, JSON
- **Backend Integration:** Node.js, Express.js, MongoDB
- **Mobile & Cross-Platform:** Ionic, Angular Ionic, React Native
- **UI/UX & Design Tools:** Figma, Adobe XD, Adobe Photoshop
- **Version Control & Dev Tools:** Git, GitHub, VS Code
- **Web Platforms & Domains:** WordPress, Shopify, LMS, CRM Systems, Dashboards, E-commerce Applications
- **Testing & Quality:** UI Testing, Cross-Device Testing, Debugging, Performance Tuning
- **Professional Skills:** Technical Documentation, Cross-Functional Collaboration, Time Management, Self-Learning

## Work Experience

<b>Senior Front-end Developer</b> <i>BrainCert, Remote / India</i>	<i>Nov 2024 – Present</i>
<ul style="list-style-type: none"><li>○ Designed and developed pixel-perfect, responsive web and mobile interfaces using React.js, TypeScript, Angular, and Ionic.</li><li>○ Translated high-fidelity UI/UX designs into scalable, reusable frontend components following modern component-based architecture.</li><li>○ Optimized application performance through efficient rendering strategies and clean state management practices.</li><li>○ Integrated RESTful APIs and collaborated closely with backend and QA teams to ensure seamless data flow and feature delivery.</li><li>○ Strengthened backend integration knowledge by working with Node.js-based APIs and understanding end-to-end application workflows.</li></ul>	
<b>UI Developer</b> <i>Elroi Software Solutions, Madurai, Tamil Nadu, India</i>	<i>Nov 2022 – Oct 2024</i>
<ul style="list-style-type: none"><li>○ Built interactive dashboards, CRM modules, and enterprise UI features using React.js and Tailwind CSS.</li><li>○ Implemented reusable UI components and maintained consistent design systems across multiple modules.</li></ul>	

- Integrated third-party and internal APIs using Fetch and Axios, managing application state with Redux and Zustand.
- Improved UI performance, responsiveness, and accessibility across key application workflows.
- Gained hands-on experience in handling frontend-to-backend data flows and API-driven architectures.

**UI Developer** *KitKat Software Solutions, Coimbatore, Tamil Nadu, India*

*Aug 2021 – Sep 2022*

- Converted Figma and design mockups into responsive HTML, CSS, and JavaScript interfaces.
- Developed reusable frontend components ensuring cross-browser compatibility and consistent UI behavior.
- Collaborated closely with designers and developers to maintain UI accuracy and visual consistency.
- Assisted in improving existing interfaces and fixing UI-related issues across web applications.

**Graphic Designer (Intern)** *Woua Software Labs, Bengaluru, Karnataka, India*

*Jan 2021 – Jul 2021*

- Created digital assets and visual designs using Adobe Photoshop and related design tools.
- Supported frontend teams by providing UI assets and assisting with minor interface fixes.
- Played a key role in transitioning from graphic design fundamentals to frontend web development.

## Projects

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### **Learning Management System (Web & Mobile)**

- Developed responsive user interfaces for a Learning Management System using React.js, Tailwind CSS, and Ionic.
- Implemented reusable UI components for course management, dashboards, and content delivery.
- Integrated REST APIs for user authentication, course progress tracking, and role-based access.
- Ensured cross-browser compatibility, performance optimization, and consistent user experience across devices.

### **CRM and Project Accounting System**

- Built interactive frontend modules for CRM and project accounting workflows using React.js.
- Designed dashboards and data-driven views to manage clients, projects, and financial records.
- Integrated backend APIs using Fetch and Axios, handling state with Redux and Zustand.
- Focused on UI consistency, usability, and smooth data-driven interactions.

### **E-commerce and Accounting Software Applications**

- Developed frontend interfaces for e-commerce and accounting software applications with emphasis on usability and clarity.
- Implemented product listings, forms, tables, and validation logic for transactional workflows.
- Integrated APIs for product data, orders, and financial records.
- Improved performance and responsiveness across key user-facing workflows.

## Achievements & Certifications

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- **IBM Full Stack Development Certification** — MERN stack covering React.js, Node.js, Express.js, MongoDB, and Tailwind CSS.
- **freeCodeCamp Responsive Web Design Certification** — HTML, CSS, Bootstrap, and responsive layout principles.
- **HackerRank JavaScript Certification** — Core JavaScript concepts, problem solving, and language fundamentals.