

Manikandan N

Software Engineer

Madurai,TamilNadu

 nagarajpriyan2004@gmail.com

 +91 9123531598



ProfileSummary:

Aspiring Software Engineer specializing in Computer Science & Design. Technical expertise spans Java and modern web technologies including React, Node.js, Express.js and MongoDB. Proven ability to develop user-centric applications with a focus on UI/UX principles and Responsive Web Design. Adept at leveraging SQL for database management and Tailwind CSS for rapid, high-performance styling. Committed to delivering seamless digital experiences through collaborative problem-solving.

Professional Experience:

XploCode Infotech Private Limited | Web Design Intern

May 2025 – June 2025

- Engineered responsive web layouts using HTML5, CSS3, and JavaScript, ensuring 100% cross-browser compatibility and mobile responsiveness.
- Translated UI/UX design wireframes into high-quality code, bridging the gap between graphical design and technical implementation.
- Optimized web assets and front-end performance, reducing page load times and improving overall user retention metrics.
- Collaborated in an agile environment with senior developers to troubleshoot layout issues and implement feature updates for client projects.
- Leveraged modern design tools (such as Figma or Adobe XD) to create interactive prototypes and streamline the hand-off process to the development team.

Technical Skills:

- Programming:** Java, JavaScript (ES6+), HTML5, CSS3, SQL (MySQL/PostgreSQL)
- Frameworks & Libraries:** React.js, Node.js, Express.js, Tailwind CSS, Bootstrap
- Database Management:** MongoDB (NoSQL), SQL, Database Design, Schema Optimization
- Web Architecture:** MERN Stack, RESTful APIs, Component-Based Architecture, MVC Design Pattern
- Design & UI/UX:** User Interface (UI) Design, Wireframing, Responsive Web Design, Visual Design Principles
- Tools & Version Control:** Git, GitHub, VS Code, Postman, npm
- Professional Methodologies:** Agile/Scrum, SDLC, Code Reviews, Bug Fixing, Web Security Best Practices

Projects

Project Title: DUTYFIX IT – Full-Stack Web Application

Key Technologies: JavaScript (ES6+), Node.js, Express.js, MongoDB, HTML5, CSS3, REST APIs

- Developed a full-stack web application (inspired by ADS MAIL) using a decoupled architecture, integrating a **Node.js/Express** backend with a dynamic Vanilla **JavaScript** frontend.
- Designed and implemented **NoSQL database schemas in MongoDB**, ensuring efficient data storage and retrieval for user-generated content and email metadata.
- Built and consumed **RESTful APIs** to handle asynchronous data operations, implementing robust **CRUD functionality** and secure data communication between the client and server.
- Engineered an interactive **UI/UX** from scratch using HTML5 and CSS3, focusing on semantic code and Responsive Web Design to ensure a seamless experience across all device types.
- Visualized complex datasets by integrating **ApexCharts**, creating an analytics dashboard to track user activity metrics and system insights.

- Optimized application performance by minimizing DOM manipulation and utilizing efficient event-handling patterns in JavaScript to ensure fast page load times.
 - Streamlined the development workflow using Git/GitHub for version control and Postman for thorough API testing and documentation.
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Education:

Bachelor of Engineering – Computer Science & Design	2022 - 2026
Sethu Institute of Technology, Virudhunagar,Tamil Nadu	
CGPA: 7.01 / 10	
Higher Secondary Education - 72%	2021 - 2022
Secondary Education - 95%	2019 - 2020

Certifications

30 Days Masterclass Full Stack Development – NoviTech R&D Private Limited	Completed: January 2026
<ul style="list-style-type: none">• Core Stack: MERN (MongoDB, Express.js, React.js, Node.js), HTML5, CSS3, and JavaScript (ES6+).• Key Learnings: Developed scalable web applications by building responsive frontends and secure RESTful APIs.• Backend & Database: Engineered server-side logic and designed NoSQL database schemas for efficient data management.• Credential ID: NT_B55FSDET406	
AI Tools Workshop – be10x	Completed: January 4th, 2026
<ul style="list-style-type: none">• Optimized development workflows by leveraging Generative AI for automated debugging, code refactoring, and rapid prototyping.• Applied Prompt Engineering to generate complex boilerplate code and technical documentation, reducing development turnaround time.• Utilized AI-driven data analysis tools to extract insights and visualize software performance metrics.	