




VIGNESHWARAN M

software developer

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 vigneshwaran-manivannan

SUMMARY

Motivated and detail-oriented Software Developer with experience in developing and maintaining web and mobile applications. Skilled in understanding project requirements and translating them into actionable solutions. Adept at problem-solving, debugging, and optimizing code for efficiency. Passionate about writing clean, scalable, and maintainable code while ensuring a seamless user experience. Proficient in modern frameworks and technologies with hands-on expertise in Next.js and Angular.

EDUCATION

2018 - 2021	Bachelor of Computer Applications (BCA) H.H.The Rajah's College, Pudukkottai, Tamilnadu	Grade A+
2021 - 2023	Master of Computer Applications (MCA) University College Of Engineering, BIT Campus, Anna University, Trichy, Tamilnadu	CGPA 8.04

PROJECTS

Project	FACILITIX (Web App) A comprehensive facility management platform designed as the first-persona product tailored for facility management companies. Facilitix enables streamlined operations across ticketing, task planning, billing, user management, and real-time attendance tracking — all backed by secure role-based access and multi-organization support. <ul style="list-style-type: none">– Implemented ticketing and quote management modules with role-based access control using a custom action wrapper.– Built task planner with address management and platform branding/logo customization.– Enabled multi-organization and client agreement management.– Integrated client billing: added cost tracking, billing status updates, and email notifications.– Developed real-time employee attendance features with CSV export for reporting.– Built user and team management modules with module-specific role assignments.– Integrated secure OAuth authentication for new users with role-specific access.
Project	SHIFTWATCH (Mobile App) A mobile-first attendance tracking app built with Expo React Native, designed to streamline on-site work-force time logging and ensure secure, accurate attendance records. Over 400+ on-site employees actively use the app to punch in and out daily, directly impacting their monthly payroll. <ul style="list-style-type: none">– Developed real-time location-based punch-in/out functionality using Expo and React Native.– Integrated a live clock feature with punch-out restriction before 6:00 PM and a user confirmation dialog to reduce accidental actions.
Project	Trackbot - Chennai Metro Water Seawater Desalination Plant (Web App) A real-time web tracking platform developed using Angular and Google Maps, built for the Chennai Metro Water Seawater Desalination Plant project. The system monitors shipping containers, underwater pipelines, and vessels using WebSocket-based live updates, providing a seamless, interactive tracking experience. <ul style="list-style-type: none">– Integrated live GPS tracking using WebSocket to display tracker movements with dynamic status indicators (e.g., green icon for active).– Implemented KML file upload feature to visualize underwater pipe layouts on the map. Users can customize polyline and marker styles.– Enabled full edit capability of KML paths and markers, with real-time map updates and persistent changes across sessions.– Designed playback feature to replay tracker history over 24-hour periods with play, pause, fast-forward, and reverse controls.– Developed a powerful playback system to review historical tracker data with play, pause, fast-forward, and reverse controls.– Allowed users to mark custom points on the map with draggable markers and maintain their state across sessions.– Designed an interactive dashboard with detailed reports, data visualizations, and management tools for users, trackers, and configurations.– Supported exporting tracker history and reports as CSV files.– Built robust configuration and settings panel to customize tracker behavior and dashboard data.

SKILLS

- **Languages & Web Technologies:** JavaScript, TypeScript, HTML, CSS
- **Frameworks & Libraries:** React, Next.js, Angular
- **Databases:** MySQL, MongoDB
- **Styled Libraries:** Material UI
- **Tools & Platforms:** Git, Azure, Azure DevOps, Postman API

EXPERIENCE

Mar – Jul 2023	Netcraft Solutions Pvt Ltd, Chennai	INTERNSHIP
	<ul style="list-style-type: none">• Learned full-stack web development fundamentals with a focus on React.js and REST APIs.• Built reusable components and contributed to internal tooling for improving development workflow.• Received a monthly stipend and worked under the guidance of senior developers. <div>React.js / HTML/CSS / JavaScript</div>	
Aug – Sep 2023	Algowizz Online Trading	INTERNSHIP
	<ul style="list-style-type: none">• Developed a Flask-based internal tool to monitor real-time trading entries.• Gained hands-on experience in deploying applications on AWS EC2 and working in a Linux environment. <div>Python / Flask / AWS EC2 / Linux</div>	
Feb 2024 – Present	Ticktix Solutions Pvt Ltd, Tambaram, Chennai	FULL-TIME
	<ul style="list-style-type: none">• Developed and maintained Facilitix, a Next.js-based facility management web app supporting ticketing, billing, and attendance tracking features.• Built and deployed a React Native employee attendance app used daily by 400+ on-site employees for punch-in/out tracking.• Currently leading development of a real-time tracker system using Angular and WebSockets to monitor devices and container movement for the Seawater Desalination Plant project.• Conduct regular code reviews for team members to ensure consistency, performance, and maintainable architecture.• Provide ongoing customer support, resolving production bugs and feedback-based enhancements for timely, stable releases.• Write clean, scalable, and well-documented code while collaborating closely with team members to deliver high-quality applications.• Promoted to permanent position within 3 months (probation period: 6 months) and currently lead a 5-member development team.• Trained and mentored 14+ internship students in React, API integration, and project delivery best practices. <div>Next.js / Expo / Angular / React / MySQL</div>	

ACHIEVEMENTS

2025	Certificate	Tictix Solutions Pvt Ltd
	<ul style="list-style-type: none">• Received the Best Employee and Best Performer certificates for outstanding contribution and performance.• Recognized for dedication and consistent delivery during my tenure at Ticktix Solutions Pvt Ltd. <div>View Certificate on LinkedIn</div>	

LANGUAGES

English, Tamil (Native)