VIGNESHWARAN M

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Profile

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.

Education

University College Of Engineering BIT Campus   **2021 – 2023**
Master of computer application - CGPA - 8.04   *Trichy, India*

H.H.The Rajah's College   **2018 – 2021**
Bachelor of computer application - CGPA - 9.05   *Pudukkottai, India*

Experience

TickTix Solutions Pvt Ltd – Software Developer (February 2024 – Present)

Facilitix (Web App):

- ✓ **Ticketing Module & Management:** Implemented ticketing, quote management, and user management with role-based access control. Created a role-based action wrapper to grant access based on user roles.
- ✓ **Task & Address Management:** Developed a task planner for task management, including address management and branding/logo customization for the platform.
- ✓ **Organization & Client:** Enabled multi-organization support, allowing users to create and manage multiple organizations with associated client agreements.
- ✓ **Billing Management:** Integrated client billing functionality, allowing the addition of costs for clients, tracking billing status, and sending email notifications with billing details.
- ✓ **Attendance Report:** Developed employee attendance management features, enabling real-time tracking of attendance. Added the ability to export attendance reports as CSV files for easy data analysis.
- ✓ **User Management:**
  - ✓ Enabled users to create accounts with name and email.
  - ✓ Developed team management functionality, allowing users to create teams and assign users to them.
  - ✓ Implemented role-based access control where users can be assigned specific modules and roles within each module.
  - ✓ Integrated OAuth authentication, ensuring that newly created users can securely access the web application with assigned permissions.

Shiftwatch (Mobile App):

- ✓ Developed a mobile attendance app using the Expo React Native framework with real-time user location tracking for punch-in and punch-out functionality.
- ✓ Implemented a real-time clock feature, restricting punch-out only after 6:00 PM. If the user attempts to punch out before this, a confirmation prompt is shown to prevent accidental actions.
- ✓ Ensured robust error handling and login persistence with OAuth and JWT, providing seamless authentication and secure user access.
- ✓ Enabled users to view attendance reports within the Facilitix app, with all data synced via a shared API.

- ✓ Applied JWT-based authentication for secure login, with automatic redirection after login and proper token management to maintain session persistence.

Key Achievements:
- Successfully delivered multiple features and enhancements for various management systems within the startup.
- Improved application performance and user experience through efficient coding practices and optimization techniques.
- Developed a mobile app for an employee attendance mobile app, which led to the company planning to develop an API and integrate the data with the existing application.

Skills

Languages:, JavaScript, Typescript
Design : HTML5, CSS, MaterialUI, TailwindCSS.
Tools: Git, Azure dev ops, Github, Postman API AWS(EC2, S3).
Technologies/Frameworks: NextJs, ReactJS, React Native, Node.js Express.js, MySQL, MongoDb.

Internship

Netcraft solutions Pvt Ltd.   04 2023 – 07 2023

Role   *chennai, india*
Developed and implemented new features and functionalities as a frontend developer, involved in creating marketplace development in React.

Algowizz online trading.   08 2023 – 09 2023

Role   *chennai, india*
Contributed to a trading platform by developing algorithms for automated trading, generating consistent monthly returns. Additionally, built a frontend to display real-time profit and loss updates using AWS EC2.

Extracurricular

- A quick learner with a good grasp of concepts
- Communicates effectively both in writing and verbally.
- Analytical and problem-solving skills.