Gowtham S

Software Engineer - Front End Developer

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A highly skilled Frontend Developer with over 2 years 4 months of professional experience, specializing in Angular and hands-on exposure to React.js. Demonstrated expertise in developing scalable, maintainable web applications using component-based architecture and effective state management techniques. Strong problem-solving abilities, proficiency in version control systems such as Git, and a solid background in Agile methodologies. Committed to delivering high-quality, performance-optimized frontend solutions that align with user needs and business objectives.

EXPERIENCE

Xenovex Technologies
March 2023 - May 2025

Assosiate Software Engineer

- **Frontend Architecture & Development**: Led the setup and implementation of scalable frontend architectures using Angular and React.js, adhering to modern development best practices and clean code standards.
- **Data Visualization & Dashboard Design**: Built interactive, real-time dashboards using ApexCharts, D3.js, and Chart.js, enabling data-driven insights through dynamic visual representation.
- **State Management**: Implemented robust state management solutions with Redux and RxJS, ensuring consistent data flow and improving application performance and maintainability.
- **Authentication & Security**: Developed secure authentication flows including OTP-based authentication, form-based sign-ins, and Microsoft SSO integration using MSAL, enhancing both user experience and enterprise-level security.
- **Reusable Components & Dynamic Forms**: Created modular and reusable components for forms and reports with conditional rendering, dynamic validation, and custom input handling to streamline user interaction.
- **Testing & Code Quality**: Maintained high code quality by implementing unit testing strategies using frameworks like Jasmine, Karma, and React Testing Library, ensuring reliability and regression prevention.
- **Deployment & DevOps Practices**: Managed deployments using Docker and WinSCP, with a focus on optimizing web app performance and scalability. Delivered Progressive Web Applications (PWA) for enhanced accessibility and offline support.
- **UX Design & Navigation**: Engineered advanced navigation structures, including breadcrumb-supported drill-down paths and nested component routing, improving usability and user retention.
- **UI Customization & Theming**: Applied Fluent UI for customized, brand-consistent theming in React apps, enhancing design consistency across the platform.
- **Agile Collaboration**: Worked in Agile/Scrum environments using Jira for sprint planning, backlog grooming, and issue tracking. Collaborated cross-functionally with designers, backend developers, and QA teams for end-to-end feature delivery.

SKILLS

- **Frontend Frameworks:** Angular, React.js, Ionic
- **State Management**: Redux, RxJS
- **Authentication & Security**: MSAL (Microsoft SSO), JWT, OTP Systems
- **Charts & Visualization**: ApexCharts, D3.js, Chart.js
- **Testing**: Jasmine, Karma
- **Deployment & Build**: Docker, WinSCP
- **UI Libraries**: Fluent UI, Angular Material, Bootstrap
- **Version Control & CI/CD**: Git, GitHub, GitLab
- **Project Management Tools**: Jira, Confluence
- **Languages & Markup**: TypeScript, JavaScript, HTML5, CSS3, SCSS

PROJECTS

OSANTS (Angular 16, Ionic, REST API, Bootstrap)
2023 - Till

- Developed web, PWA, and mobile apps using Angular and Ionic for managing Leads, Contacts, RFQs, Price Quotes, Price Presentations, and POs.
- Implemented OTP-based login, email integration, and role-based access control for secure workflows.
- Built reactive forms, dynamic UI components, and integrated with RESTful APIs for seamless data operations.
- Delivered responsive UI using Bootstrap, optimized for cross-device performance.

Sylko (Angular, ngx-datatable, TypeScript, REST API)
2023 - Till

- Maintained and enhanced an enterprise-level Angular application for processing and transferring EDI files to XML format as per business requirements.

- Implemented and customized ngx-datatable to display large datasets with advanced features like pagination, filtering, and sorting.
- Delivered new feature requests, performed bug fixes, and improved UI/UX consistency across modules.
- Developed custom filters to streamline data search and improve user navigation within the datatable.
- Collaborated with QA and backend teams to ensure seamless API integration and production stability.

MDMI – Midday Meals Information System (Angular, ApexCharts, TypeScript, REST API, Bootstrap)

2024 - Till

- Developed key modules for a government-focused Midday Meals Information (MDMI) system using Angular, enabling efficient data visualization and tracking.
- Implemented drill-down views to allow users to navigate from high-level summaries to detailed district/school-level data.
- Designed and integrated interactive timelines to display chronological event flows and meal distribution data over time.
- Utilized ApexCharts to render dynamic charts based on live API data, including bar, pie, and line charts for performance monitoring.
- Ensured responsive and accessible UI using Bootstrap, improving usability across devices.

Fundaneed – (Angular, Angular Material, TypeScript, REST API)

2023 - 2024

- Utilized Angular Material components extensively, including tables with pagination, dropdowns, dialogs, and form controls to deliver a rich, accessible user experience.
- Implemented dynamic data displays, interactive forms, and user-friendly navigation to efficiently manage event registrations and donations.
- Integrated backend APIs to handle real-time updates and reporting on fundraising progress.

TCT – Transport Control Tower (Angular, REST API, TypeScript, Bootstrap)

2023 - Till

- Enhanced operational transparency and optimized fleet efficiency, contributing to significant cost reduction and better decision-making.
- Implemented new requirements and performed ongoing bug fixes to improve system functionality and user experience.
- Built responsive UI components using Angular and Bootstrap, ensuring accessibility across devices.
- Collaborated with backend teams to integrate APIs supporting real-time data synchronization and reporting.

Rx-Office Teams App - (React, Fluent UI, Microsoft Teams Toolkit, SSO Authentication, Ant Design)

2024 - Till

- Developed a sophisticated Microsoft Teams app for workplace management using React and Fluent UI, enabling dynamic daily workspace preference settings and team coordination.
- Implemented Single Sign-On (SSO) authentication for seamless and secure user access within the Microsoft Teams environment.
- Created custom dark and light themes to enhance user experience and accessibility across different lighting preferences.
- Integrated Ant Design DatePicker component to facilitate intuitive date selections within the app.
- Leveraged Microsoft Teams Toolkit for efficient app development, deployment, and integration with Teams platform features.
- Delivered a user-friendly, responsive interface promoting flexible collaboration and real-time workspace visibility among teammates.

TEXCO – Tamil Nadu Ex-servicemen's Corporation Job Portal (React, React Stepper, REST API, CSS, Bootstrap)

2024 - Till

- Developed a dedicated job portal for TEXCO members, focusing on ex-servicemen and their dependents with two separate registration flows.
- Implemented a customized React Stepper based on wireframes to manage multi-step forms efficiently, capturing user details step-by-step.
- Designed and handled individual form steps for smooth user experience during registration.
- Built a dashboard to display job application status, user details, and relevant updates dynamically fetched from backend APIs.
- Created a job application module that allows users to view and apply for jobs based on real-time data retrieved from RESTful APIs.
- Ensured responsive UI and adherence to design specifications for accessibility and usability.

TOWA – Tenant Management System (Angular 19, Angular Material, Bootstrap, JWT Authentication, REST API)

2025-Till

- Developed a robust tenant management system using Angular 19 with JWT-based authentication and authorization to secure the application.
- Implemented dynamic forms for adding new tenant masters and individual tenants using reactive forms and Angular Material

components like tables, dropdowns, form-fields, and custom directives for enhanced input validation and UX.

- Utilized Angular routing with lazy loading to optimize app performance by loading modules and components on demand.
- Created interactive charts to visualize tenant data and system metrics, improving data-driven decision-making.
- Leveraged Bootstrap for responsive UI design and consistent styling across devices.
- Ensured seamless integration with backend APIs for CRUD operations and real-time data updates.

EDUCATION

Annai Violet College of Arts and Science
2019 - 2022

Bachelor of Science in Computer Science (BSC)

Percentage - 60%

RR Cambridge Matric Higher Secondary School
2018 - 2019

Higher Secondary Certificate (HSC)

Percentage - 66%

RR Cambridge Matric Higher Secondary School
2016 - 2017

Secondary School Leaving Certificate (SSLC)

Percentage - 94%