

Yashaswini Nagasamudra

Gangadharappa

Front-end Developer

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Professional Summary

Results-driven Senior Front-End Developer with over 5 years of Angular framework expertise. Skilled in JavaScript, Typescript, Node.js D3, Electron, and GitHub, delivering innovative front-end solutions. Experienced leader, successfully managing teams of up to 8 members, surpassing client expectations and increasing customer base by 35%. Passionate about emerging technologies, collaborating across teams to deliver cutting-edge products. Proven track record in full project lifecycle management, prioritizing code quality and timely delivery.

Tools & Technologies

Programming Languages: JavaScript, TypeScript, HTML5, CSS3, SCSS, CSS Flexbox
Front-End Frameworks/Libraries: Angular (version 8 - 16), D3.js
UI Frameworks: Bootstrap, Material-UI, UI/UX designing
State Management: RxJS, NgRx
Build Tools: Webpack, Angular CLI
Cross-Browser Compatibility: Strong awareness and implementation practices
Security: OAuth2, JWT
Design Tools: Figma
Unit Testing: Jasmine & Karma
Version Control: Git (GitHub, GitLab)
Web Technologies: GraphQL
Project Management: Jira, Confluence, Asana
Collaboration and Communication: Slack, Microsoft Teams
Database Systems: MongoDB
Back-End Development: Node.js(2 years), Java(Beginner Proficiency)
Other: SDLC, Agile, SCRUM, multi-tasking, Decision making, cross-functional teamwork, Team Lead.

Professional Achievements

1. Mentoring Champion of 2022, Yearly award 2023 @Trellissoft, Inc.
2. Women of Inspiration, QUATER Q2 2022 @Trellissoft, Inc.
3. Power House, Q1-2022 @Trellissoft, Inc.
4. EMPLOYEE OF THE YEAR, 2021 @ Synapptra Technologies Pvt Ltd.

Professional Experience

Senior Software Developer Jul-2023 - Jan-2024 (7 months)

HCL Tech

Project: Fiery

Technology: Angular 16, Electron.js, HTML5, CSS3, SCSS, JavaScript, TypeScript, Jasmine & Karma

Experience : Angular 16, HTML, CSS3, SCSS, JavaScript (7 months),
Electron.js (5 months)

Description: To develop a cutting-edge application focused on delivering an extensive range of color combinations. Targeting diverse industries such as digital printing, commercial print, packaging, signs and display graphics, ceramics, building materials, textiles, and other specialty applications.

Roles and Responsibilities:

Angular v8-v16

1. Optimizing Application Performance:

- Employed advanced optimization techniques, including lazy loading, Ahead-of-Time (AOT) compilation, and tree-shaking, to enhance application performance.

2. ngModules and Directive Forms:

- Utilized Angular's ngModules to organize and structure the application, enhancing modularity and maintainability.
- Developed directive forms to create reusable components that encapsulate form-related logic, promoting a clean and modular design.

3. Routing, Navigation, and Angular Forms:

- Demonstrated a strong understanding of Angular routing and navigation, implementing effective navigation strategies within the application.
- Proficient in using Angular forms to design intuitive and responsive user interfaces.

4. Auth Guards, JWT, and HTTP Interceptors:

- Applied expertise in implementing Auth Guards to control access to specific routes based on user authentication status. Proficiently integrated JSON Web Tokens (JWT) for secure and efficient user authentication and authorization. Implemented HTTP Interceptors to intercept and modify HTTP requests and responses, enhancing security and providing a centralized mechanism for handling HTTP-related concerns.

5. Observables and RxJS:

- Leveraged RxJS to handle asynchronous operations and manage data streams effectively. Utilized Observables to handle events and asynchronous data, providing a reactive and efficient approach to managing data flow within the Angular application.

6. NgRx for State Management:

- **Angular** :Upgraded the Angular project from 6 to 16 and employed optimization techniques like lazy loading, AOT compilation, and tree-shaking to optimize code efficiency and scalability, resulting in improvement in application performance by 15%.
- **UI/UX Designing**: Responsible for creating wireframes, mockups, and prototypes for the Angular application. Collaborates closely with stakeholders to understand user requirements and business objectives.
- **CI/CD**: Developed and maintained web applications using Angular 8-10, ensuring cross-browser compatibility and client-side performance.
- **Building Electron Service**: Developed the Electron service responsible for facilitating communication between Electron and Angular 16.
- **Window Creation and Routing**: Implemented the creation and routing of new Electron windows, ensuring that opening a new window did not affect the previously opened ones.
- **PDF Creation Handling**: Took charge of handling PDF creation, including sending data from Angular TypeScript files to the service file, and then to the main.js file. Ensured that the generated PDF was downloaded to the specified path.
- **Figma** : Collaborated with cross-functional teams to create visually appealing and user-friendly designs using Figma, achieving 95% satisfaction among stakeholders.
- **Unit Testing**: Unit tests using Jasmine & Karma for each function developed in the TypeScript files of the Angular application. This includes testing various functionalities to ensure robustness and reliability.
- **Cross-Technology Integration**: Collaborated with both Angular and Electron developers to ensure smooth integration between the frontend (Angular 16) and the backend (Electron) components.
- **Data Flow Management**: Managed the flow of data between Angular and Electron components, ensuring accurate communication and functionality.
- **Security**: Integrated security measures including Auth Guards and JWT for secure user authentication and authorization

Senior Software Developer- Front End May-2021 - Apr-2023 (1 year 11 months)

Trellissoft Engineering Pvt Ltd

Technology : Angular 8,10,11, JavaScript, TypeScript,HTML5 & CSS3,SCSS D3.js, Jasmine & Karma

Experience : Angular 8,9,10,TypeScript,HTML5, CSS3, SCSS, JavaScript (1 year 11 months),
D3.js(6 months)

1. Project: CrowdZ

Technology : Angular 8,10,11 , JavaScript, HTML & CSS, D3.js

Description : CrowdZ is a FinTech solution which primarily provides invoice financing solution for businesses. Seller can sell their invoices to funders through auction or offer process to get paid early and thus save money and time. And they even provide provision to develop white label solutions for external clients based on the requirements.

Roles and Responsibilities as Senior Software Developer:

- **Angular**: Improved application performance by reducing load time on the UI in Angular, resulting in a 20% decrease in page load times, enhancing user experience and overall satisfaction.
- **Leadership**: Led a team of 8 members in the tech team, providing guidance, mentoring, and support to ensure the successful delivery of front-end development projects.
- **Client Requirements**: Interacted with clients to understand their requirements for functionality, scalability, and performance, translating these into robust solutions.
- **Code Review**: Conducted code reviews for the application and feature coding, ensuring adherence to coding standards, best practices, and overall code quality.
- **Future Planning**: Collaborated with the development team to plan future upgrades, enhancements, and features, contributing to the overall technical roadmap of the project.
- **Business Strategy**: Demonstrated strong understanding of business strategy, with ability to align technical solutions with boarder organizational goals.
- **Front-End Architecture**: Participated in architectural decision and discussions to ensure frontend scalability, performance and maintainability. Collaborate with backend developer to integrate frontend components with server-side logic.

Roles and Responsibilities as Software Developer:

- Implemented NgRx, a state management solution for Angular, or other state management techniques to handle complex application state.

7. Unit Testing with Jasmine and Karma:

- Developed comprehensive unit test cases using Jasmine and Karma to ensure the robustness and reliability of the codebase.
- This involves writing test suites and individual test cases to validate the functionality of components, services, and other Angular constructs, ensuring that changes do not introduce unintended side effects and maintaining code quality throughout the development process.

JavaScript

1. Core JavaScript Proficiency:

- Solid understanding of core JavaScript concepts, including variables, data types, control structures, and functions.

2. DOM Manipulation:

- Experience in manipulating the Document Object Model (DOM) to dynamically update and modify the content and structure of web pages.

3. Event Handling:

- Proficient in handling and responding to user interactions through event-driven programming, ensuring a dynamic and interactive user experience.

4. Asynchronous JavaScript:

- Familiarity with asynchronous programming techniques, including callbacks, promises, and async/await, to manage non-blocking operations efficiently.

5. ES6 and Modern JavaScript Features:

- Knowledge of ECMAScript 6 (ES6) and familiarity with modern JavaScript features, such as arrow functions, template literals, destructuring, and spread/rest operators.

HTML & CSS

1. Proficient in HTML5:

- Demonstrated expertise in writing clean, semantic HTML code.
- Experience with HTML5 features, including new structural elements, forms, and multimedia elements.

2. Advanced SCSS/CSS3 Skills:

- **Development:** Worked closely with software development and testing team members to design and develop robust solutions to meet client requirements for functionality, scalability, and performance.
- **User Interface:** Implemented responsible application principles to ensure that our application renders well across multiple devices.
- **Figma :** Developed and maintained design systems within Figma to ensure consistency across projects. Conducted mock-ups and design reviews, providing constructive feedback and guidance to junior team members.
- **NgRx & RxJS :** I utilized RxJS and NgRx, harnessing their power to about 80%, to streamline state management and handle asynchronous operations effectively in my Angular project
- **Data Visualization:** Utilized D3.js and Apex Charts for graphical implementation, enhancing the user interface through advanced data visualization.
- **Reusability:** Emphasized building reusable code for future use, promoting efficiency and maintainability in the development process.
- **Collaboration:** Collaborated with other team members, including backend developers, designers, and product owners, to deliver high-quality software. Communicated effectively with team members to ensure a shared understanding of project goals and requirements.
- **Testing and Debugging:** Developed comprehensive test plans and test cases for Angular components, achieving 95% test coverage using Jasmine & Karma. This led to improved application stability and a reduction in post-deployment issues.
- **Documentation:** Created and maintained technical documentation for code, APIs, and relevant processes, ensuring 100% documentation completeness and accuracy.

Software Engineer

Apr-2019 - May-2021 (2 years 1 month)

Synapptra Technologies Pvt.Ltd

1. Project : Facilite

Technology : AngularJs, Angular 8,9 , TypeScript, JavaScript , HTML5 & CSS3, Node.js,Mongodb

Description : Web Application was developed to maintain the facility of particular buildings and infrastructure.

2. Project : Synapptra

Environment: Angularjs, HTML5 & CSS3, Nodejs, Mongodb

Description: Web Application developed in making smart Building Intelligent.

Experience : Angular 8,9HTML5, SCSS3,TypeScript, JavaScript (2 year 1 month),
Nodejs, Mongodb(2 years)
Angularjs (1 month)

Roles and Responsibilities:

- **Angular :**Created components that could be reused across the application, ensuring the UI met 95% of the design specifications. Developed forms and validated them with 90% accuracy, enhancing user input reliability. Effectively addressed technical challenges, achieving a 5% improvement in project timeline efficiency.
- **MVC/MVVM:** Developed applications with a strong understanding of MVC and MVVM design patterns.
- **CI/CD:** Ensured seamless user experiences across various devices and browsers, resulting in a 5% growth in customer retention.
- **Node.js :** Develop and maintain efficient server-side code using Node.js for creating, reading, updating, and deleting data.
- **Technical Issue Resolution:** Collaborated with various stakeholders to address technical challenges, Worked closely with project managers, developers, quality assurance, and customers to identify and resolve technical issues hindering project progress.
- **Cross-Functional Collaboration:** Engaged with cross-functional team members to analyze evolving client requirements and contributed to the identification of potential system solutions, fostering a collaborative and adaptive development approach.
- **Test Planning and Execution:** Developed comprehensive test plans and test cases based on Functional and Non-Functional Requirements, ensuring the thorough testing of deliverables and compliance with project specifications.
- **Mongodb:** Created and maintained complex data models to support application requirements.Utilized Mongoose for schema validation and data modeling in Node.js applications.

Software Developer

Aug-2018 - Feb-2019 (6 months)

- Extensive hands-on experience with SCSS, demonstrating a deep understanding of variables, nesting, and modularization.
- Solid grasp of CSS3 features, such as transitions, animations, and responsive design.

3. Responsive Web Design:

- Proven track record in implementing responsive design principles, ensuring optimal user experience across various devices and screen sizes.

4. Cross-Browser Compatibility:

- Adept at addressing cross-browser compatibility issues and ensuring consistent rendering across major browsers.

5. CSS Frameworks:

- Proficient in utilizing CSS frameworks such as Bootstrap or Foundation to streamline and accelerate the development process.

D3.js

1. Data Visualization Expertise:

- Demonstrated proficiency in creating dynamic and interactive data visualizations using D3.js, transforming raw data into meaningful and visually appealing graphics.

2. Scalable Vector Graphics (SVG):

- In-depth understanding of SVG elements and their integration with D3.js for creating scalable and responsive visualizations.

3. Data Binding and Joining:

- Experience with D3.js's powerful data binding and joining capabilities, facilitating the seamless association of data with DOM elements for efficient rendering.

4. Selections and Transitions:

- Proficient in using D3.js selections to manipulate and update DOM elements based on data changes. Utilized transitions for smooth animations, enhancing the user experience.

5. Interactive Dashboards:

- Developed interactive dashboards and charts, incorporating user-driven interactions and events to allow users to explore and analyze data dynamically.

Infinicue Solutions Pvt.Ltd

1. Project : Expentials

Technology : HTML & CSS, Angular 2, Java

Description: This was a smartphone application that was designed for humans to know their daily expense.

Experience : Angular 2,HTML5, SCSS3,TypeScript, JavaScript (6 months)

Roles and Responsibilities:

- **Angular :** Reusable Components and Responsive UI: Created components that could be reused across the application, ensuring the UI met 95% of the design specifications. Data Binding and Angular Services: Implemented effective data binding and consumption of Angular services, achieving a efficiency rate.
- **Coding and Debugging:** Wrote efficient, maintainable, and scalable code in Java, adhering to coding standards and best practices. Proficient in debugging and troubleshooting code issues.
- Maintained Existing application and designed and delivered new application.
- **Business Logic and Error Handling:** Implemented business logic and error handling, ensuring adherence to business requirements.
- **RESTful APIs:** Developed RESTful APIs with Java. Designed and managed database schemas, using hsql database.
- **Security:** Ensured application security through effective authentication and authorization mechanisms.
- **Documentation:** Documented APIs, database schemas, and key components with 90% comprehensiveness, ensuring clarity and maintainability for future development.

Certification

Java Certification | Uttara Info Solution | July 2018 |

<https://drive.google.com/file/d/1rsjxYhNm-rpk0qAbBy8nX-1Ev58WqLqC/view?usp=sharing>

Education

Bachelor Of Engineering

2013 - 2017

Visvesvaraya Technological University

Bachelor of Engineering (BE) in Computer Science

Graduated : 2017

CGPA: 7.7