

Darshan K N

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Front-End Developer with **4 years of experience** building responsive, scalable, and maintainable web applications. Strongly **specialized in Angular** with expertise in TypeScript and JavaScript. Proven ability to develop reusable UI components, optimize application performance, and collaborate closely with backend teams to deliver high-quality user experiences.

SKILLS

Frameworks & Libraries

Angular 14+, Angular Material, RxJS, NgRx, Bootstrap, jQuery, ReactJS (Basics)

Frontend Technologies

HTML5, CSS3, SCSS, TypeScript, JavaScript (ES6+)

Testing

Angular Unit Testing (Components & Services), Jasmine, Karma

Build, Tools & CI/CD

Angular CLI, NPM, Git, SVN, Jenkins (CI/CD Basics), Postman

Core Competencies

Component-Based Architecture, Responsive Design, Cross-Browser Compatibility, RESTful API Integration, Performance Optimization, WCAG Accessibility Standards

WORK EXPERIENCE

Tata Consultancy Services

Feb-2022 - Present

Front-End Developer

- Developed and maintained **enterprise-scale Angular applications** using **TypeScript and Angular Material**, improving user satisfaction by **30%**.
- Built **reusable UI components and SCSS theme libraries**, reducing feature development time by **40%**.
- Improved application performance using **lazy loading, RxJS optimization, and efficient change detection strategies**.
- Collaborated closely with **UX designers, backend teams, and QA teams** to ensure pixel-perfect UI and high-quality releases.
- Implemented **NgRx-based state management** for admin features, including role and permission configuration using actions, reducers, and selectors to ensure predictable and scalable state updates.

PROJECTS

HRMS Application (Angular 16+, Angular Material, TypeScript)

Jun-2023 - Present

- Developed a modular HR dashboard with Employee, Leave, and Payroll modules.
- Customized Material UI components and applied SCSS themes to align with brand identity.
- Improved page load speed by 30% through lazy loading and optimized change detection.
- Integrated Reactive Forms and Observables to support real-time updates and data consistency.
- Managed state and events using RxJS to handle real-time updates across components.
- Designed a Role-Based Access Control (RBAC) admin module using NgRx feature store to manage roles, permissions, and draft state with immutable update patterns.

MEAN Stack E-Commerce Web Application | Personal Project

Aug-2025 - Jan-2026

- Engineered a full-stack e-commerce platform using MongoDB, Express.js, Angular (v17+), and Node.js, featuring JWT-based authentication and secure RESTful APIs.
- Architected a reactive Shopping Cart service using RxJS, BehaviorSubjects for centralized state management, ensuring real-time UI updates across components.
- Optimized frontend performance by implementing OnPush Change Detection and Lazy Loading, significantly reducing re-renders and improving load times.

- Designed a responsive, mobile-first UI using Tailwind CSS and reusable standalone components.
- Orchestrated a CI/CD-ready deployment workflow, hosting the backend on Render and frontend on Netlify with environment-specific configurations.

Webtop Project (JavaScript, jQuery, Bootstrap, HTML5, CSS3)

Feb-2022 - Mar-2023

- Built an interactive enterprise dashboard using vanilla JavaScript and jQuery.
- Created Bootstrap-based reusable components (cards, tables, modals, dropdowns).
- Improved usability and accessibility by following WCAG 2.1 standards.
- Added multi-theme support using CSS variables for better customization.

EDUCATION

Visvesvaraya Technological University - Kushalnagar, Coorg

June-2018 - Aug-2021

Bachelor of Engineering - 7.7 CGPA (BE in Mechanical Engineering)

CERTIFICATIONS

Full Stack MEAN Development | Udemy Certification

- Completed hands-on training in MongoDB, Express.js, Angular, and Node.js.
- Learned RESTful API development, CRUD operations, and client-server communication.
- Gained practical exposure to full-stack application architecture and deployment basics.

Full Stack Developer Training | J-spiders (2021)

Trained in Core Java, SQL, HTML, CSS, and JavaScript fundamentals.