

VYSHNAVI KARUMURU



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PROFESSIONAL SUMMARY

- Experienced Frontend Developer specializing in **Angular, React, TypeScript, JavaScript ES6+, and AWS**, with a 5+ years of strong background in building scalable and modular web applications.
- Proficient in developing reusable **Angular modules, components, services, and utilities** to ensure code modularity and maintainability.
- Experienced in **AngularJS** development, incorporating **dependency injection, custom directives, filters, and AJAX-based data fetching** to enhance legacy applications.
- Expertise in **state management using NgRx** (Store, Actions, Selectors, and Effects) and Redux/Context API for React, for efficient data flow and handling of asynchronous operations.
- Hands-on experience in cloud platforms with 2+ years of experience in AWS (**EC2, S3, Lambda, Cloud Front, Cognito**) to develop and deploy scalable, high-performance applications, ensuring reliability and cost efficiency.
- Expertise in managing **Angular** component lifecycle hooks (e.g., **ngOnInit, ngAfterViewInit, ngOnChanges, ngOnDestroy**) to optimize application performance and behavior.
- Proficient in AngularJS and Angular, skilled in developing dynamic UI components using Angular templates, markup, expressions, and layout structures (FLEX/GRID).
- Skilled in **performance optimization**, utilizing **AOT compilation, lazy loading, OnPush change detection, and trackBy** to enhance application speed and responsiveness.
- Integrated **RESTful APIs** endpoints, enabling real-time data retrieval and manipulation for up-to-date application insights.
- Proven experience in Agile methodologies and CI/CD practices, ensuring efficient development workflows and fast-paced releases by implementing CI/CD pipelines using **Jenkins, GitHub, and Docker** for streamlined deployments.

TECHNICAL SKILLS

Web Technologies : JavaScript ES6+, TypeScript, HTML5, CSS3, Tailwind CSS, Bootstrap

Frontend : React.js, AngularJS, Redux / Context API, NgRx (Store, Actions, Selectors, Effects), AJAX, RESTful APIs

Databases & Cloud : PostgreSQL, MySQL, Redis, Azure, AWS

Deployment & Testing: Docker, GitHub, Jenkins, Kubernetes, JIRA, Jasmine, Karma

WORK EXPERIENCE

Fiona Solutions | Frontend Web Developer, Houston

Aug 2022 – Present

- Developed and maintained custom reusable **Angular modules** for shared components, services, and utilities to reduce code duplication and ensure modularity.
- Initiating Amazon **EC2** Cloud Instances using Amazon Web Services and managing and configuring launched instances with respect to specific applications.
- Improved page loading times by optimizing the build process using **Angular CLI's AOT** (Ahead of Time) compilation and lazy loading.
- Implemented complex state management using **NgRx Store, Actions, Selectors, and Effects** to handle asynchronous operations and ensure a single source of truth across the app.
- Designed and implemented role-based access control and route guards using **CanActivate, CanDeactivate, and CanLoad** to control access to routes based on user roles and permissions.
- Used content projection to build reusable components that allows parent components to pass template content into child components.
- Developed custom **Angular pipes** for data formatting (e.g., currency, date) and custom directives for DOM manipulation to implement reusable logic across components.
- Applied advanced techniques for SEO optimization in Angular applications with Angular Universal by generating meta tags dynamically based on route data and ensuring fast server-side rendering (SSR).
- Applied the **OnPush** change detection strategy in complex components to minimize Angular's change detection overhead, reducing performance bottlenecks in large applications.
- Worked in Agile teams, participating in daily stand-ups, sprint planning, and retrospective meetings to ensure smooth collaboration and continuous delivery of high-quality features.
- Wrote unit and end-to-end tests using **Jasmine and Karma**, ensuring code quality and high test coverage.

- Collaborated with the backend team to integrate **RESTful APIs**, ensuring smooth data binding and component communication.
- Initiated CI/CD pipelines using **Jenkins, Docker**, streamlining deployment process for **Kubernetes-based** applications.
- Successfully collaborated with remote and distributed teams across different time zones, ensuring effective communication and maintaining productivity in a global environment.
- Engaged in user story grooming and backlog refinement sessions with product owners and stakeholders, providing input on feasibility, complexity, and the best approach to implement features in **Angular**.

Suvarna TechnoSoft | Front End Developer, Hyderabad

Jan 2020 – Jul 2022

- Developed dynamic UI components using **Angular, TypeScript, and JavaScript ES6+**, ensuring seamless user interactions with MVC capability.
- Supported client queries for monthly statements and enabled transaction sorting based on custom criteria using **AngularJS**, incorporating data binding, filters, and custom sorter functions.
- Created custom directives and filters in **AngularJS** with built-in **\$http services**, streamlining data retrieval through dependency injection.
- Utilized **AngularJS dependency injection** to manage and inject various services, including custom services and reusable directives, optimizing application modularity.
- Implemented client-side functionalities such as hide/show elements, event handling, and **AJAX calls** using **AngularJS and jqLite**, improving UI responsiveness.
- Developed and deployed scalable Angular applications on **AWS**, utilizing **S3** for static hosting, **CloudFront** for content delivery, and **Cognito** for user authentication, enhancing security and reducing latency by 30%.
- Improved the performance of the app by implementing change detection strategies and **trackBy** to enhance DOM rendering efficiency.
- Used Angular's built-in **PreloadAllModules** and developed custom preloading strategies to optimize resource loading in the background while maintaining app responsiveness.
- Conducted unit testing and debugging to ensure a bug-free experience across multiple browsers, improving application stability.
- Worked in Agile teams, collaborating with backend developers, UX/UI designers, and product managers to optimize the user experience.
- Actively participated in conflict resolution and discussions, ensuring that team disagreements were addressed constructively and that the best technical decisions were made without impacting team morale.
- Participated actively in peer code reviews, providing constructive feedback to ensure code quality, adherence to best practices, and consistency across the project while learning from others' code.

EDUCATION

Florida International University, Miami, FL

Aug 2022 – Dec 2023

Masters in Computer Science (Courses: DBMS, Introduction to Algorithms, Operating Systems, Data Mining) (CGPA – 3.63)

Jawaharlal Nehru Technological University Hyderabad, Hyderabad, India

Aug 2017 – Jun 2021

Bachelors in Information Technology (Courses: Data Structures & Algorithms, Java, Web Frameworks) (CGPA – 3.30)

PERSONAL PROJECTS

Flashcards AI Application | Next.js, TypeScript, Tailwind CSS, Node.js, PostgreSQL

- Developed an **AI** powered solution for a Quiz Application avoiding manual quiz generation, boosted 25% learning efficiency.
- Improved **PostgreSQL** databases with **Drizzle ORM** for robust backend services and optimized **REST API** interactions.

Grab It. a Food-ordering Application | MERN | ([Try it here](#))

- Built a food ordering system using **MERN stack** with JWT-based user authentication, shopping cart, and payment features.
- Created an admin panel for managing food, orders, and business operations using **Context API, React Hooks**, and **Axios** for **REST API** interactions.

For more projects, visit my Portfolio: [Portfolio](#)

CERTIFICATIONS

- **AWS Certified:** Solutions Architect Associate
- **Microsoft Certified:** Azure Developer Associate, Azure Fundamentals, Data Fundamentals