UMA SHANKAR ANANTHARAPU

SOFTWARE ENGINEER

CONTACT

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SKILLS

Angular

HTML

CSS

Java Script

RXJS

NGRX(state management)

High Charts(Analytics)

AG Grid(table)

Gridster(visualization)

Module Federation(5)

Apollo Angular(GraphQl)

Canvas(Fabric.js/Konva.js)

3D(three.js)

PROFILE

Innovative and detail-oriented Software Engineer with 6 years of experience in frontend development, specializing in Angular and Micro Frontend architecture. Skilled in leading teams, mentoring junior developers, and collaborating with stakeholders to deliver client-focused solutions. Proficient in creating dynamic, responsive web applications using HTML, CSS, JavaScript, and TypeScript, with a focus on scalable codebases and Agile best practices.
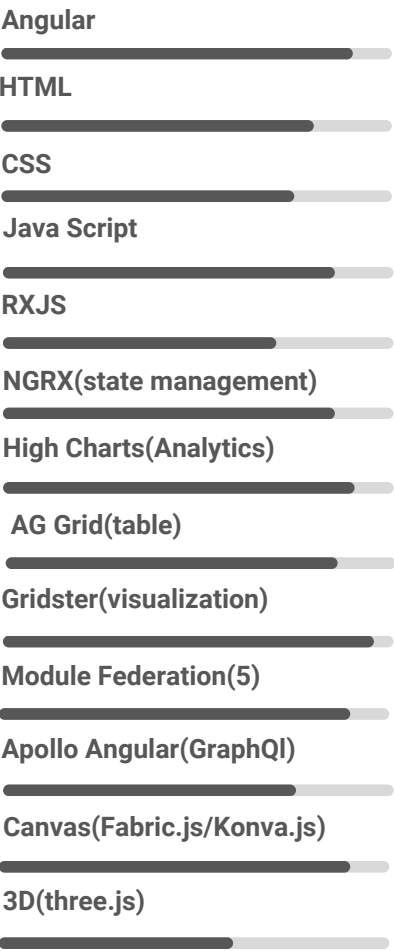
WORK EXPERIENCE

DigiTele Networks (Greenko Group)   *Dec 2024 - Present*

Project :- Celeste Productisation

- Led end-to-end development of a modular frontend application using Angular 18 and Micro Frontend architecture, managing App Shell and remote MFEs for dashboards, configurations, and admin management.
- Gathered requirements from clients, aligning features with business needs.
- Initiated project from scratch, developing proof-of-concept (POC) to validate architecture.
- Integrated Highcharts, AG-Charts, NGX-Charts, AG-Grid, and Gridster for dynamic visualizations and drag-and-drop dashboards.
- Utilized Apollo Angular for GraphQL integration, enabling dynamic schema introspection and query execution.
- Leveraged AI tools to accelerate integration and streamline development processes.
- Implemented NgRx for centralized state management, handling chart metadata and user selections.
- Designed responsive UI with CSS3, including tree views and dynamic forms.
- Created shared libraries for services and UI components, published to private npm repository.
- Configured CI/CD pipelines for automated testing and deployment.

Brane Enterprises   *Dec 2022 - Nov 2024*

Project 1:- MCC Entity Builder

- Resolved numerous bugs, ensuring a stable and reliable application.
- Implemented dynamic HTML and CSS rendering for client-side dynamic pages, templates, cards, and tabs with responsive design.
- Optimized codebase for improved performance and maintainability.
- Integrated APIs for seamless communication between systems.
- Customized and implemented the Gridster package as a local module.
- Led a team, reviewed merge requests, and managed code merges.
- Collaborated effectively with UX designers and backend developers.

Project 2:- Dashboard Analytics Charts

- Utilized FusionCharts(paid) to implement a variety of chart types by referring to documentation.
- .Created custom KPI templates allowing users to dynamically generate their own templates.
- Integrated charts and dynamic templates into the dashboard page.
- Enhanced application performance with routing, services, asynchronous API calls, and component interactions for lazy loading.
- Led the team by reviewing and merging merge requests.
- Implemented dynamic HTML and CSS rendering for responsive client-side pages, cards, and templates.

Project 3:- IOT Dashboard

- Transformed a monolithic project into a Micro Front End (MFE) architecture.
- Enhanced user experience with dynamic canvas elements using Fabric and Konva packages.
- Refactored existing code for improved performance.
- Developed dynamic cards and tables, enabling on-the-fly solution creation for seamless client interaction.
- Managed the deployment of the MFE application.
- Handled team by paralelly completing the stories in the given time.

Project 5:- ICO Sphere

- Conducted R&D on Three.js for advanced 3D graphics.
- Configured interactive animations triggered by clicking points on a globe.
- Developed dynamic point generation and label mapping.
- Enabled rendering of multiple globes based on point-click interactions.
- Integrated GLTF models from Blender for seamless animations.
- Created animations using three.js with GLTF files for immersive visuals.

Sree Tech Tammina Software Solutions   *Oct 2021 - Dec 2022*

Project 1:- Career Information System

- Developed the front end using Angular 8.
- Utilized Chrome debugger and Angular developer tools for efficient debugging.
- Implemented state management with NGRX and extensively used Redux tools.
- Leveraged RxJS for reactive programming and efficient data handling.
- Ensured high performance and maintainability through best practices and modern development tools.

Project 2:- Career Trek

- Addressed bugs and implemented new enhancements.
- Optimized code using services.
- Upgraded the application from Angular 8 to Angular 13.
- Utilized developer tools for effective debugging.

ZINOVIA TECHNOLOGIES PVT LTD   *June 2019 - September 2021*

Project 1:- Reality Check NPM

- Collaborated with clients to understand and analyze requirements.
- Designed and implemented the module for university students to assess career plans based on chosen living styles.
- Developed features for selecting living styles (housing, travel, food) and filtering occupations based on user preferences.
- Conducted unit testing to ensure code quality and reliability.
- Offered end-user support and promptly resolved issues.

Project 2:- Photoshooto

- Analyzed and implemented client requirements using Angular 13.
- Developed the application's UI/UX with Tailwind CSS and the Fuse theme.
- Created the Admin module for both Printo and Photoshooto administrators.