Vigneshwaran R

Software Engineer at Centizen Inc.,

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Professional Summary

Software Engineer with 2+ years of experience in developing scalable e-commerce platforms using Angular, TypeScript, and JavaScript. Proven track record of delivering performance-optimized, reusable UI components and custom web elements. Experienced in using state management (NgRx, Signals) to enhance application efficiency and reduce redundant logic. Passionate about writing clean, maintainable code and driving agile development in collaborative team environments.

Experience

Software Engineer   *Feb 2023-Present*

Centizen.Inc, Tirunelveli

ZenBasket (E-commerce Platform)

- Designed and implemented reusable UI modules using **Angular forms, pipes, directives, and services**, significantly improving code reusability and maintainability.

- Created a **custom price range filter** for product listings, reducing repetitive logic by **40%** and enhancing user control over product search.

- Developed a shared component for displaying product details across multiple views, **reducing code duplication by 30%.**

- Built a **custom text editor** component in Angular for rich content formatting within admin forms and reusable blocks.

- Converted heavy Angular components to **web components using Angular Elements**, reducing the overall **bundle size by 75%** and improving performance.

- Developed a **custom select dropdown** component with features like search filtering, custom option rendering, and keyboard navigation, **replacing Angular Material's Mat-Select**.

- Created flexible, **reusable accordion and expansion** panel components with custom toggle logic, smooth animations, and **nested expansion support.**

- Implemented a **customizable notification component** with support for configurable timing, animations, and dynamic positioning, **offering more control compared to Mat-SnackBar.**

Zen Studio *(Website-Builder)*

- Designed and **developed a dynamic top navigation panel** featuring interactive actions such as **Page Change, Preview, Save, and Publish** buttons for seamless user control.
- Implemented **CSS Sprites** to significantly reduce image load times and improve performance across both the **section** and **element preview images**.
- Built a reusable side panel to showcase **draggable UI elements**, **section templates, and theme palettes,** enhancing the drag-and-drop functionality for building layouts.
- Successfully implemented the **API integration layer**, including request handling, response mapping, and modular service structure for future scalability

Skills

Frontend:

- Angular, Angular Signals, NgRx Store, TypeScript, JavaScript, HTML, CSS

Backend:

- Node.js, Express, PostgreSQL

Testing & Automation:

- Jest, Jasmine, End-to-End (E2E) Testing

Tools & Platforms:

- Git, SourceTree, Postman, Apollo Server, Visual Studio Code

Awards & Achievements

- **Rising Star Award**   *Centizen Inc.,* **2023**
  Awarded for outstanding performance, fast learning curve, and valuable contributions during the first year of joining.

- **Code Accelerator Award**   *Centizen Inc.,* **2024**
  Recognized for consistently delivering high-quality code at speed, accelerating development timelines and boosting overall team productivity.

Education

B.E -Mechanical Engineering   *Aug* **2019**-*April* **2023**

Kongunadu College of Engineering and Technology, Tiruchirappalli, TamilNadu, India   GPA-8.9

Language

- English
- Tamil