SHUNMUGAVEL P

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Professional Summary

Results-driven Angular Developer with 2.5+ years of experience building scalable, high-performance web applications in Agile/Scrum environments. Specialized in developing reusable, theme-based user interface (UI) components using Angular and NgRx, with hands-on expertise in integrating real-time shipping APIs (FedEx, Shippo) and automating marketing workflows via the Facebook Ads API and Pixel. Adept in test-driven development (TDD), achieving 90%+ unit test coverage with Jest and ensuring quality through robust end-to-end (E2E) testing with Cypress. Passionate about optimizing user experience, increasing ROI through automation, and mentoring teams to deliver clean, maintainable code.

Technical Skills

- **Frontend Development**: Angular, TypeScript, JavaScript, HTML5, CSS3
- **Testing Frameworks**: Jest (Unit Testing), Cypress (End-to-End Testing)
- **APIs & Integrations**: Facebook Ads API, Facebook Pixel, FedEx API, Shippo API, UPS API, RESTful APIs
- **Version Control**: Git, GitHub, GitLab, SourceTree
- **Databases**: PostgreSQL, MySQL, Supabase
- **Authentication**: Google OAuth, JWT
- **Design Tools**: Figma, Adobe XD
- **Methodologies**: Agile, Scrum
- **Angular Tools**: NgRx, RxJS, Angular Material

Professional Experience

Software Engineer, February 2025 – Present

Centizen Inc., Tirunelveli
Project: Zen Studio (No-Code Website Builder)

- Spearheaded the development of a drag-and-drop website builder tailored for non-technical users, enabling the creation of e-commerce and multipurpose websites in under 10 minutes using Agile and Scrum methodologies.
- Engineered a high-performance rendering engine to convert JSON into interactive HTML with real-time JavaScript execution, achieving 95% accuracy in deeply nested components and reducing re-renders by 70% on low-end devices.
- Designed and integrated reusable UI componentsincluding sliders and carouselsto support dynamic content rendering and significantly enhance user engagement and visual appeal.
- Modernized legacy storefronts by migrating them to the Zen Studio platform, resulting in a 40% reduction in maintenance overhead and improved scalability.

Software Engineer, February 2023 – January 2025

Centizen Inc., Tirunelveli
Project: Zen Basket (E-Commerce Platform)

- Built and maintained 20+ reusable, theme-based UI components for scalable e-commerce storefronts, enhancing modularity and reducing development time by 30%.
- Architected a config-driven rendering system using Angular and NgRx, enabling non-technical users to dynamically customize layouts and behavior, streamlining content management workflows.
- Integrated Facebook Pixel and Ads API to automate ad setup and enhance targeting precision, resulting in a 25% increase in marketing ROI.
- Developed real-time FedEx API integrations for shipping rates, label generation, and tracking, with failover mechanisms ensuring 99.9% system uptime.

- Integrated Shippo API for multi-carrier shipping support, optimizing delivery routes and reducing logistics costs by 15%.
- Achieved and maintained 90%+ unit test coverage using Jest, reducing production issues by 20% and ensuring reliable business logic validation.
- Created Cypress-based end-to-end test suites covering critical user flows (shipping, checkout, product rendering), improving platform stability and release confidence.

Projects

Budget Manager Personal Finance Tracker

Tech Stack: Angular, Supabase, Google OAuth

- Built a secure, responsive web application for tracking expenses and categorizing budgets, improving financial awareness for users.
- Integrated Supabase for real-time database operations and Google OAuth for secure user authentication, ensuring data protection.
- Designed interactive visualizations for monthly spending trends, enhancing user engagement through effective data representation.

Key Contributions

- Mentored junior developers on Angular best practices and test-driven development (TDD), improving code quality and accelerating team velocity in Agile sprints.
- Led code reviews and participated in architecture decisions, ensuring scalable, maintainable frontend systems.
- Partnered with UI/UX designers in Figma to deliver pixel-perfect, user-friendly interfaces, reducing design-to-development iteration cycles by 15%.

Education

B.E. Computer Science and Engineering, 2020–2023

Mother Theresa Engineering College, Thoothukudi │ **CGPA: 8.90**

Certifications & Awards

- Innovative Spark, Centizen Inc. (2024)
- Best Designer, Centizen Inc. (2023)
- Icon of the Year, Mother Theresa Engineering College (2023)
- C Programming, NPTEL (2022)