SHUNMUGAVEL P

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| Tuticorin, Tamil Nadu, India

Professional Summary

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

Technical Skills

- **Frontend Development**: Angular, TypeScript, JavaScript, HTML5, CSS3
- **Backend Development**: Node js, Express js
- **Testing Frameworks**: Jest (Unit Testing), Cypress (End-to-End Testing)
- **APIs & Integrations**: RESTful APIs , GraphQL API, Facebook Ads API, Facebook Pixel, FedEx API, Shippo API, UPS API
- **Version Control**: Git, GitHub, GitLab, SourceTree
- **Databases**: PostgreSQL, MySQL, Supabase, Mongo DB
- **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 components including sliders and carousels to 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 for shipping, checkout, and product rendering flows, 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.
- Collaborated with UI/UX designers using Figma to translate designs into responsive, pixel-perfect interfaces, reducing design-to-development turnaround time 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)