

# ALEXANDER BHARATHI

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## PROFESSIONAL SUMMARY

**Angular Developer** with 3+ years of experience building scalable, high-performance web applications using Angular (v14+), RxJS, and NgRx. Specialized in modern Angular architecture (Standalone Components, Signals, SSR) with proven impact in reducing load time from 4s to 1.3s and improving Core Web Vitals. Experienced in designing modular frontend systems for large-scale e-commerce platforms.

## TECHNICAL SKILLS

- **Frontend:** Angular (V14+), TypeScript, JavaScript, HTML5, SCSS
- **State & Reactive:** RxJS, NgRx, Angular Signals
- **Architecture:** Standalone Components, Lazy Loading, Routing, DI, OnPush, Nx
- **Performance:** Core Web Vitals, Code Splitting, SSR
- **APIs:** REST, GraphQL, HTTP Client
- **Testing:** Cypress, Jest, Karma
- **Tools:** Git, GitLab, GitHub, Figma
- **Backend:** Node.js, PostgreSQL, MongoDB
- **Cloud:** AWS (Event-driven fundamentals)

## PROFESSIONAL EXPERIENCE

**Software Engineer (Angular Developer), Centizen Inc., Tirunelveli** Feb 2023 – Present

- Migrated legacy Angular architecture to **Standalone Components**, improving maintainability and bundle efficiency.
- Reduced initial load time from **~4s to ~1.3s** via lazy loading and optimized routing.
- Contributed to **SSR implementation**, improving SEO and first contentful paint.
- Developed a reusable **Angular directive package replacing Angular Flex Layout**, improving rendering performance by **~30%**.
- Delivered **12+ e-commerce storefronts**, ensuring performance across devices.
- Built reusable UI components similar to Angular Material, reducing bundle size by **~60%** and improving performance.
- Implemented features including **dynamic pricing, product reviews, and catalog systems**.
- Integrated APIs using HTTP interceptors with centralized error handling.
- Improved SEO via **dynamic meta tags and structured data (JSON-LD)**.
- Designed UI workflows for **abandoned cart recovery** integrated with AWS events.
- Strengthened quality using **Jest/Karma (unit)** and **Cypress (E2E)** testing.
- Mentored developers on Angular, RxJS, and performance optimization.

## KEY PROJECTS

### ZenBasket – E-Commerce Platform (Angular | SSR)

- Built scalable frontend using modular, component-driven architecture.
- Implemented **SSR** to improve SEO and initial load performance.
- Managed application state using **NgRx Store & Effects**.
- Optimized API handling using **RxJS operators (switchMap, debounceTime, shareReplay)**.
- Improved rendering efficiency using **OnPush change detection and optimized DOM updates**.

### ZenCampaign – Marketing Platform (Angular | AWS Events)

- Developed a **campaign management interface** for scheduling and automation workflows.
- Built **data visualization dashboards** for tracking delivery, open rates, and engagement metrics.
- Enabled **real-time UI updates** through integration with backend event-driven systems.

## EDUCATION

- **Kongunadu College of Technology and Engineering** Jun 2019 – May 2023  
Bachelor of Engineering (Mechanical Engineering)  
CGPA: **9.29 / 10**

## AWARDS

- Surrealist Designer Award – Centizen Inc. (2025)
- Innovation Integrator Award – Centizen Inc. (2024)