

Venkata Sai Ram Pandranki

Full-Stack Software Engineer | Cross-Platform E-Commerce Developer

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Live Portfolio: venkatsairam-portfolio.vercel.app

27 Professional Screenshots • 3 Complete Production Applications

PROFESSIONAL SUMMARY

Full-Stack Software Engineer specializing in building **production-grade, multi-tenant e-commerce platforms** with unified mobile and web architectures. Expert in **scalable Node.js APIs**, unified **React Native (Expo) + Expo React Native Web** codebases, and **complex MongoDB architectures** supporting multi-vendor marketplace operations.

Proven ability designing **enterprise-level authentication systems, real-time analytics dashboards, and secure payment gateway integrations**. Skilled in **PM2-based server scaling**, cross-platform architecture design, and deploying **high-availability systems**.

Current Focus: Architecting **ZestInfinite**, a complete quick-commerce ecosystem with 27+ production screenshots across Admin Dashboard, Vendor Portal, and Customer Mobile App — live on Vercel with continuous CI/CD.

CORE TECHNICAL SKILLS

Backend & Architecture	JavaScript (ES6+), Node.js, Express.js, REST APIs, Microservices, Modular Design, Multi-Tenant Architecture, Enterprise Auth
Database Engineering	MongoDB (Schema Design, Indexing, Aggregation Pipelines, Multi-Tenant Data Modeling, Replication)
Server & Security	PM2 (Cluster Mode, Load Balancing, Auto-Restart), OTP Authentication, JWT, RBAC, Session Management, Input Validation
Cross-Platform	React Native (Expo), Expo React Native Web, React.js, Responsive Design, Platform-Specific Optimizations
UI / UX	HTML5, CSS3, Tailwind CSS, Component-Based Architecture, Animations, Accessibility
Cloud & Integrations	Razorpay, Cloudinary (CDN, Image Optimization), Nodemailer, Vercel CI/CD

PROFESSIONAL EXPERIENCE

ZestInfinite

Founder Role • Ongoing

Founder & Lead Full-Stack Developer

Architecting and developing an **end-to-end multi-tenant quick-commerce platform** from the ground up, using a **unified React Native codebase** for mobile and web, backed by a scalable Node.js API infrastructure.

- Designed and deployed **production-grade RESTful APIs** with Express.js and Node.js.
- Architected **MongoDB schemas** optimized for vendors, products, orders, and analytics.
- Implemented **PM2 cluster mode** ensuring high availability (99.9% uptime target).
- Built **OTP-based authentication** with RBAC (Admin, Vendor, Customer).
- Developed unified Expo + React Native Web architecture reducing development time by **60%**.
- Built Admin Dashboard (Purple), Vendor Portal (Orange), and Customer Mobile App.
- Integrated Razorpay payments, Cloudinary media pipelines, and Nodemailer notifications.
- Implemented real-time analytics dashboards tracking **\$12,450+ monthly revenue**.
- Designed multi-level categories (6 levels deep) with commission percentage tracking.
- Added social responsibility features including donation flow in checkout.

TECHNICAL PROJECT — ZESTINFINITE

Production-Grade Multi-Tenant Quick Commerce Ecosystem

Tech Stack: React Native (Expo) | Expo React Native Web | Node.js | Express.js | MongoDB | PM2 | Razorpay | Cloudinary | Nodemailer | Vercel

- 3 complete platforms: Customer Mobile App, Admin Dashboard, Vendor Portal.
- Advanced filtering, inventory tracking, low-stock alerts, automated emails.
- Vendor commission calculation and transparent reporting.
- Real-time KPIs: revenue, orders, customers, conversions, vendor performance.
- Production deployment with automatic CI/CD and preview builds.
- 27+ professional screenshots demonstrating enterprise-grade UI/UX.

EDUCATION

Master of Technology (M.Tech) — Mechanical Engineering

NSRIT Engineering College, India

Currently Studying — Final Year

Bachelor of Technology (B.Tech) — Mechanical Engineering

NSRIT Engineering College, India

ADDITIONAL INFORMATION

- **Development Philosophy:** Production-grade code quality, scalability, and architecture-first design.
- **Technical Interests:** Multi-tenant systems, cross-platform architecture, server scaling, analytics.
- **Project Ownership:** End-to-end responsibility from design to deployment and monitoring.
- **Continuous Learning:** Advanced marketplace architectures and scalability patterns.