

Ritik Singh

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EDUCATION

Stevens Institute of Technology

Master of Science in Computer Science - 3.52/4.0

Sep. 2023 – May 2025

Hoboken, NJ

Vellore Institute of Technology

Bachelor of Technology (B.Tech) in Computer Science - 8.38/10.0

May 2019 – Jun. 2023

Vellore, India

WORK EXPERIENCE

GimmieAI

Fullstack Engineer

May 2025 – Present

Remote

- Rebuilt the Gimmie web UI on Next.js 16 / React 19 with TanStack Query, Zustand, Radix UI, Tailwind, Sanity CMS: auth, onboarding v2, authenticated app shell, admin dashboard; 30+ component design system
- Architected AI product search: Claude planner edge function feeding a parallel fetcher unifying Amazon, Etsy, Target, Poshmark, Shopify Catalog MCP behind one UnifiedProduct type with cross-retailer dedup and versioned Redis caching; shipped Tapiliate referrals end-to-end with S2S conversion webhook, auto-follow + Supabase Realtime notifications, deep-link attribution
- Drove Expo SDK 52 to 54 migration to React19/RN 0.79.6 with NativeWindv5 + Material3 redesign; shipped mobile features on ReactNative/Zustand/Supabase/PostgreSQL: contact discovery with ReactNative Contacts API, phone-matching Postgres RPC, privacy+SMS consent controls, Branch.io deep-link invite tracking, save-search+invite flow with push notifications, Google Calendar OAuth 2.0 with Realtime, data export, account deletion, Facebook SDK with ATT consent
- Shopify SaaS widget: designed MVP LangGraph agent architecture; built cross-origin widget OAuth across two Supabase projects via window.opener.postMessage; shipped Shopify Billing API with approval gate, 3-tier plans, usage-based commission via biweekly GitHub Actions cron, atomic conversation-limit enforcement via Supabase RPC

Allyvia

Fullstack Engineer (Contract)

Aug. 2025 – Jan. 2026

Remote

- Architected end-to-end QuickBooks integration for 10+ financial entities using OAuth 2.0, implementing a three-tiered sync strategy: real-time webhook processing, scheduled CDC (Change Data Capture) via nightly cron jobs, and manual refresh, all orchestrated through AWS SQS queues with dedicated worker processes handling 1,000+ daily sync operations
- Built full-stack financial management platform with React/TypeScript/MUI frontend and Django REST backend featuring role-based access control, JWT authentication, SendGrid email integration, and advanced data filtering (trigram similarity search, date/amount ranges, multi-field sorting) with server-side pagination across all entity views
- Developed AI-powered business insights system leveraging LLM workflows to detect supplier concentration risks and overstock patterns, analyzing vendor spend distribution, inventory velocity metrics, and capital allocation to generate actionable recommendations with urgency-based prioritization

Okada & Company

Frontend Engineer (Contract)

Jul. 2025 – Aug. 2025

Manhattan, NY

- Architected enterprise-grade authentication system using React 19, TypeScript, Redux Toolkit, and React Router 7 with JWT token management, automatic refresh handling via Axios interceptors across 10+ API endpoints, and secure cookie-based persistence implementing master-only login flow
- Designed and implemented centralized Redux state management architecture migrating from local React state to establish single source of truth with memoized selectors handling authentication, email management, client data caching, and UI state across 20+ components
- Built reusable component library translating Figma designs into a comprehensive design system featuring DataTable with pagination, React Toastify notifications, composition-based page layouts, and custom Tailwind CSS styling system across 15+ application pages

ACHIEVEMENTS

2nd in Folio Hackathon for MarketAutomator | Next.js, Supabase, Vercel-AI SDK, API Integrations

[link](#) | [videolink](#)

- Engineered a multi-agent AI platform leveraging LLMs to automate end-to-end marketing campaign creation, integrating Canva design analysis, content generation, and multi-channel distribution (Mailchimp, GitHub Pages, Notion) via a unified dashboard
- Designed and implemented a scalable, modular architecture with specialized agents (Orchestrator, Brand, Content, Technical, Refinement) for visual context extraction, brand consistency, and natural language-driven campaign refinement, using Next.js 14, TypeScript, and Supabase for secure authentication and real-time streaming
- Reduced campaign deployment time by 90% for small businesses by developing visual-first AI workflows, OAuth integrations for 5+ platforms, and robust error handling, democratizing access to professional marketing automation without technical expertise

PROJECTS

LeaseConnect | TypeScript, React, Redux, GraphQL, MongoDB

[link](#)

- Built a full-stack subleasing platform on TypeScript, React, Redux, GraphQL, and MongoDB with JWT refresh-token authentication, Zod-validated multi-step listing onboarding via React Hook Form, Google Places autocomplete for geocoding, Cloudinary CDN image uploads, and GraphQL-composed search and filtering backed by indexed MongoDB queries returning paginated results by location, price, date, and amenities

TECHNICAL SKILLS

JavaScript, TypeScript, Python, SQL, HTML5, CSS, React, React Native, Next.js, Redux, Zustand, TanStack Query, Tailwind CSS, React Hook Form, Zod, Node.js, Express.js, FastAPI, Web Services, Functional Programming, Data Structures, Algorithms, REST APIs, GraphQL, Socket.IO, PostgreSQL, MongoDB, Supabase, Firebase, LangChain, LangGraph, LLM APIs, Claude Code, CI/CD, Jest, React Testing Library, Git, Postman, JIRA, Agentic AI