

Nagesh Goud Karinga

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EDUCATION

University of North Texas: Masters in Computer Science

Graduation: Dec 2025

• Relevant Coursework: AI, Data Mining, Comp Architecture, Software Engineering, Advance Data Analytics, Comp Algorithms

EXPERIENCE

WIS Spaces

Frontend Developer

Jun 2022 – Dec 2022

- **Re-engineered the flagship landing page using React.js**, implementing server-side rendering and performance optimizations that drove a **30% lift in customer acquisition** and organic traffic
- **Developed a scalable, component-based architecture** to replace legacy systems, significantly improving UI consistency and reducing the time-to-market for new marketing initiatives by **15%**.
- **Optimized Core Web Vitals** and cross-platform accessibility, ensuring a high-fidelity user experience that expanded mobile market reach and boosted site-wide conversion by **25%**.
- **Collaborated on the implementation of interactive user-onboarding flows**, leveraging React's state management to create a frictionless entry point that reduced initial drop-off rates by **20%**.
- **Spearheaded code reviews and documentation standards** for the frontend repository, ensuring a **95% unit test coverage** and maintaining high-quality code standards across the development lifecycle

PROJECTS

Shiftly | Workforce & Shift Management Platform [Link](#)

Jan 2026 – March 2026

- **Architected and deployed a full-stack workforce management solution** supporting **98 franchise locations** across 7 states, managing a synchronized user base of **~736 active employees and administrators**.
- **Engineered a custom, dependency-free timezone engine** using the Intl API to handle server-side UTC offsets across multiple regions, enforcing strict business logic such as automated 10:15 PM local-time clock-out capping.
- **Developed a robust 3-tier RBAC (Role-Based Access Control) system** integrated at the Next.js middleware level, securing **15+ REST API routes** and ensuring sensitive payroll/PII data is isolated between Super Admins, Managers, and Staff.
- **Implemented a secure authentication suite** featuring 12-round **Bcrypt** PIN hashing and a mandatory first-login credential rotation flow, effectively eliminating unauthorized access and "buddy punching" across the network.
- **Optimized frontend performance and CI/CD pipelines using React 19 and Tailwind CSS v4**, ensuring **99.9% uptime** and real-time status updates across multi-region deployments. (live elapsed-time counters) and a manager dashboard with live **animate-pulse** status indicators for on-shift personnel.

The Brief | Real-Time News & Market Dashboard [Link](#)

Jan-2026

(React, node.js, Typescript, Vercel, Finhub API)

- **Engineered a responsive, single-page application** using React to aggregate real-time financial market data and curated news feeds across multiple sectors (Tech, Crypto, World).
- **Developed serverless Node.js backend endpoints** to concurrently fetch and parse XML/RSS feeds using Promise.all(), securely proxying external requests and implementing cache-control for optimized load times.
- **Integrated the Finnhub API** to power a live, infinite-scrolling stock ticker, complete with a debounced autocomplete search function that allows users to dynamically add and manage their preferred stock symbols
- **Built a robust frontend architecture** featuring client-side debounced search, dynamic category filtering, persistent dark/light theme toggling via localStorage, and intelligent mock-data fallbacks to prevent UI breakage during API rate limits.

Multi-Agent Autonomous Development Pipeline | Orchestrated AI System

Mar-2026

- **Architected** a multi-agent "AI Company" simulation using **MCP (Model Context Protocol)** to automate the end-to-end development of a high-fidelity Fintech platform.
- **Engineered** an autonomous feedback loop between **Gemini (Engineer)** and **Claude (Tech Lead)**, implementing a 3-iteration optimization cycle that improved code quality from a **B+** to a production-ready **"A" grade**
- **Integrated** design-to-code synchronization by connecting **Google Stitch** via custom MCP server configurations, reducing manual UI implementation time by **~70%**
- **Developed** a real-time **Observability Dashboard** using JavaScript to parse Markdown logs, tracking agent performance, build latency (30m total), and success rates.

SKILLS

Languages: TypeScript, JavaScript (ES6+), Python, SQL, HTML5, CSS4

Frontend: React, Next.js (App Router), Tailwind CSS v4, Radix UI, Shadcn/ui, Zustand, React Query, Responsive Design, Core - Web-Vitals Optimization.

Backend & Database: Node.js, PostgreSQL, Prisma ORM, REST API Design, Middleware Authentication (iron-session, Bcrypt), Google Cloud Platform (GCS, BigQuery), Redis, Supabase.

AI & Automation: Model Context Protocol (MCP), AI Agent Orchestration (Gemini, Claude), Google Stitch, Automated Development Pipelines, Prompt Engineering, LLM Integration.

Architecture & DevOps: System Design, Scalable Microservices, Docker, CI/CD Pipelines, Vercel, Git/GitHub, Linux/Bash

Scripting, Testing & Quality: Jest, Cypress, Playwright, Unit Testing, Integration Testing, E2E Testing, Linting (ESLint/Prettier).

Tools & State Management: Vite, Zod (Validation), Vercel, React Context API, Lucide Icons, Postman, Figma, Swagger/OpenAPI.