

VENKATA RAMANA

Nellore, Andhra Pradesh, 524311

☎ +91 7989286912 ✉ devathotivenkataramana@gmail.com  linkedin.com/in/devathoti-venkata-ramana
 github.com/Venkat-Entropik

Summary

Frontend Engineer with 2.6+ years of experience building scalable, high-performance web applications using React and TypeScript. Strong expertise in performance optimization, real-time systems, and reusable component architecture. Proven track record of improving application responsiveness, reducing latency, and delivering impactful user-facing features.

Technical Skills

Languages: JavaScript (ES6+), TypeScript

Frontend: React, Redux Toolkit, HTML5, CSS3, Chakra UI, Material UI

Testing: Jest, Vitest, React Testing Library

Concepts: Performance Optimization, Code Splitting, Memoization, Component Architecture, Design Systems

Realtime / APIs: WebSockets, SSE, REST APIs

Experience

Entropik Tech

Oct 2023 – Present

Software Engineer - Frontend

Chennai

- Developed complex frontend features including **Prototype Block**, **AI Analytics**, and **AI Creative Insights**, resulting in a **20% increase in feature adoption** and a **15% boost in user engagement**.
- Increased conversion rate by **18%** by architecting a high-performance search interface using **React virtualization** and **AbortController**, reducing redundant API calls and improving perceived latency.
- Reduced **bundle size by 30%** through **code splitting**, **import-graph analysis**, and **lightweight component replacements**, improving **Time to Interactive (TTI)** by **600ms**.
- Refactored the codebase using **Atomic Design** principles and **BEM methodology**, improving code readability by **40%** and accelerating developer onboarding by **25%**.
- Resolved critical and high-priority **VAPT security issues**, maintaining **zero vulnerabilities** over the past year.
- Improved **UI responsiveness by 40%** by offloading heavy **facial-coding** and **eye-tracking SDK processing** to **Web Workers** and **IndexedDB**, eliminating main-thread blocking and ensuring smooth interactions for **150+ enterprise clients**.

Open Source Experience

freeCodeCamp | *Frontend Contributions*

- Added a **Facebook share feature** after workshop completion, improving learner engagement.
<https://github.com/freeCodeCamp/freeCodeCamp/pull/66610>
- Fixed the **Donate button visibility issue** in navigation, improving accessibility and contribution flow.
<https://github.com/freeCodeCamp/freeCodeCamp/pull/66706>
- Resolved a **mobile search UI issue** where placeholder text was clipped on smaller screens.
<https://github.com/freeCodeCamp/freeCodeCamp/pull/66449>

Projects

Streamify | | *React, Typescript, Redux Toolkit, Jest, Socket.io*

- Developed a **scalable real-time chat application** with a **30% increase in user engagement**.
- Implemented **Socket.io** with persistent connections and event-driven messaging, reducing **message delivery latency** from **polling-based updates** and enabling near real-time communication.
- Designed **user connection workflows** resulting in a **25% reduction in user onboarding time**.

Education

VIT University

Bachelor of Technology, CGPA: 8.46/10

Sep. 2017 – May 2021

Amaravathi, Andhra Pradesh

Geekster

Full Stack Web Development Program

Jan 2022 – Sep 2023

Online