

APPILI VAMSI KRISHNA

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SUMMARY

Senior Frontend-Focused Software Engineer with 4+ years shipping complex UI systems, design-system components, and data visualizations across healthcare, government, and security domains. Ranked #1 individual contributor across the engineering team at Leap Metrics; delivered 145+ Jira issues and 378 PRs over 16 months while leading a full frontend refactor and owning critical UI flows end-to-end. Strong in React, Next.js, TypeScript, Tanstack Tables, Redux, and design-system architecture, with a deep-tech foundation (M.Tech, IIT Madras) and a track record of measurable performance gains.

TECHNICAL SKILLS

Frontend: React, Next.js, Angular, Redux, React Hooks, Tanstack Tables, React-Router, HTML, CSS
Languages: TypeScript, JavaScript, Python
UI & Design Systems: Component architecture, reusable common-component libraries, design-system tooling, data visualization (pie / bar charts)
Testing: Jest (unit + integration), TestCafé
Backend: Node.js, Express, GraphQL, REST APIs
Databases: MongoDB (Atlas), PostgreSQL, DynamoDB
Cloud / DevOps: AWS (Amplify, Lambda, API Gateway, EC2, CloudFormation), GCP, Cloudflare Workers, Docker, Jenkins, CI/CD
Tools & Other: Keycloak, Pendo, Git, Firebase

PROFESSIONAL EXPERIENCE

Nfinity Solutions Pvt Ltd

Dec 2024 – Mar 2026

Senior Consultant Software Engineer (Client: Leap Metrics, Healthcare Platform, USA)

Hyderabad, India (Hybrid)

- Ranked #1 individual contributor across the engineering team in PRs, commits, and code changes; delivered 145+ Jira issues and 378 PRs over 16 months on a healthcare platform.
- Refactored the entire frontend wholesale – adopted Tanstack Tables and built a reusable common-component ecosystem; upgraded application-wide CSS for performance and UI uniformity.
- Led the Needs Planning UI: multi-step flows (need / goal / intervention / care plan), tree-structure tables with inline date editing and real-time validation.
- Built Control Center and Playground dashboards with interactive visualizations (pie / bar charts) for LOB, Risk Acuity, Priority Population, and Program views.
- Owned end-to-end delivery of the Attestation Project – reason codes UI, history tracking views, and automated email alerts – shipped to production with zero post-launch incidents.
- Improved frontend performance 60% by optimizing API data fetching with field-level projection and eliminating redundant calls via efficient data-fetching and caching patterns.
- Integrated Pendo + Keycloak for in-product user-behavior tracking and custom in-app messaging; resolved high-priority production bugs within 24 hours.

Dexian

Jan 2023 – Nov 2023

Senior Software Engineer

Chennai, India

- Architected and led frontend-heavy projects across React, Next.js, Angular, and TypeScript for diverse government and enterprise clients.
- Built React-based frontend with interactive heat maps and charts for the Bihar Government Digital Farmer Services portal.
- Shipped Catalyst (Next.js + TypeScript) – screen recording, screenshot editing, and export to presentations / PDFs – and Document Merger – a multi-file UI for combining PDFs, images, and Excel files into a single PDF.
- Led the frontend (Angular) and backend (Express) of the internal Opportunity Management Portal used by senior employees to track project pipelines.

Safe Security

Apr 2022 – Dec 2022

Software Development Engineer I

Remote

- Designed React functional pages with Redux + React Hooks for state management and React-Router for navigation in an Agile delivery environment; authored unit and integration tests with Jest and TestCafé.
- Developed and maintained RESTful APIs with Node.js + TypeScript backing the React frontends.
- Worked across AWS (Amplify, IAM, EC2, RDS, CloudWatch) for full-stack deployment; configured Docker + Jenkins CI/CD pipelines.

EDUCATION

Indian Institute of Technology Madras: Aug 2020 – Jun 2022, Chennai, India

M.Tech, Aerospace Engineering – CGPA 9.47/10

- Thesis – Development of a Vision-Guided Aerially Launched Short-Range Missile (deep learning for trajectory prediction on FPGA hardware).

Madras Institute of Technology: Aug 2016 – Apr 2020, Chennai, India

B.E., Aeronautical Engineering – GPA 8.15/10

- Thesis – Structural Analysis of Agricultural UAV.

SELECTED PROJECTS

AstroData AI: React, Express, AWS, DigitalOcean, ML astrodata.app

- Sole architect and developer of a full-stack platform with a custom LLM that learns and validates predictive rules, calculating event probabilities through neural-network-powered analysis. Released v1.0 on Oct 21, 2024.
- Companion services – `api.astrodata.network` (Express), `ai.astrodata.network` (Express + ML), and Cloudflare Workers integration.

npm i astrodata: JavaScript, Python npmjs.com/package/astrodata

- Published NPM package providing advanced astrology calculations with simple integration into modern JS/TS applications.

Planetary Ephemeris: Next.js, Express planetary-ephemeris.appili.dev

- Dynamic tool for calculating and visualizing planetary positions; backend powered by Swiss Ephemeris data (project for which Krishna is a GitHub maintainer).

Appili Dev CDN: Angular, Express, Firebase, MongoDB cdn.appili.dev

- Self-hosted content delivery network for secure file upload and management.

FREELANCE & ENTREPRENEURSHIP

Sevida Labs Apr 2026

Independent Contractor, Full-Stack Developer (Client: Leap Metrics, USA) *Hyderabad, India (Hybrid)*

- Continued full-stack development on the Leap Metrics healthcare platform under an independent contract; delivered UI enhancements and production bug fixes.

Crazy GreenLife LLP Dec 2023 – Oct 2024

Co-Founder *Chennai, India*

- Co-founded sustainable-fashion venture (incorporated Apr 8, 2024); incubated at NIFT Chennai through the Fashion Entrepreneurship program (1-year Executive PG Diploma).

ACHIEVEMENTS & RECOGNITION

- **GitHub Maintainer:** Swiss Ephemeris repository, a core resource for online ephemeris systems.
- **Teaching Assistant:** M.Tech course AS5030, IIT Madras (2021).
- **FFE Leadership Award:** recipient in 2018 and 2019 for leadership and academic excellence.

CERTIFICATIONS

Creative Problem Solving

University of Minnesota – *Coursera* – 2020 – Certificate. Learned techniques and strategies for innovative problem-solving, enhancing creativity and effective decision-making.

Machine Learning

Stanford University – *Coursera* – 2021 – Certificate. Gained expertise in machine learning algorithms and principles, enhancing skills in data-driven decision-making and predictive analytics.

LANGUAGES

English (Native), Telugu (Native), Tamil (Advanced), Hindi (Intermediate)