Jaswanth Sai Sattenapalli

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Experience

Even Healthcare   Nov 2021 – Apr 2025

- Joined as Software Engineer and promoted to Senior Software Engineer on **Feb 2023.**

- Led the relaunch of the web on-boarding flow, resolving a major UX issue where users would unintentionally exit the flow via the browser back button or mobile gesture. This was addressed by implementing a route handling mechanism.

- Led the V2 overhaul of an OPD portal, simplifying member authentication workflows across Even's partnered hospitals and clinics, improving efficiency and user experience.

- Engineered a new server — 'Pulse,' an internal tool for doctors, to manage consultations, issue e-prescriptions, and facilitate secure patient chat. Implemented read/write access control wrappers for API handlers as well.

- Developed a context-based server-side routing system, enabling dynamic URL behavior tailored to different teams and user contexts.

- Developed and launched the first version of the mobile app using Dart and Flutter.

- Gained hands-on experience across web, back-end, and mobile app teams, contributing to full-stack feature development.

- **Technologies used**: NEXT.JS GATSBY.JS REACT.JS ZUSTAND FLUTTER GOLANG FIRESTORE GoCD GCP

Unacademy   Apr 2020 – Nov 2021

- Joined as Software Engineer and promoted to Senior Software Engineer on **Jul 2021.**

- Developed and maintained the Web Planner feature, using IndexedDb and Web Workers for initialization and to ensure real-time data updates.

- Took the initiative to cleanup and standardize the website's color theme, collaborating with design and product teams across multiple pods.

- Integrated Strapi, a CMS, which powers static content delivery and dynamic marketing page templates across the web platform.

- **Technologies used**: NEXT.JS REACT.JS REDUX STRAPI JENKINS

Rentomojo   Software Development Engineer, Dec 2019 – Mar 2020

- An online rental platform that provides furniture, appliances and electronics on a monthly rental basis.

- **Technologies used**: NUXT.JS VUE.JS 2.0 VUEX

Analytics Quotient (AQ)   Software Engineer, Jun 2018 – Nov 2019
- Conceptualized and developed a reusable left-panel.js plugin to streamline the rendering of multi-level dashboard filters (internally known as the left-panel), used to visualize client survey data across countries and markets.

- The plugin dynamically builds HTML elements on-demand based on input parameters, drastically improving page load performance and reducing front-end development time.

- **Technologies used**: `JQUERY` `.NET MVC 5` `MySQL`

Open Source contributions

fire-memoize `FIRESTORE` `NPM` `NODE.JS`   fire-memoize ↗
- A minimalist, request-scoped caching library for Google Firestore (Node.js), designed for use with Express, NestJS, Koa, and Fastify. It dramatically reduces redundant Firestore reads within a single request while guaranteeing data freshness and type safety.

ts-batch-processor `NPM` `NODE.JS` `TYPESCRIPT` `BROWSER`   ts-batch-processor ↗
- A simple, powerful, event-driven batch processor for JavaScript / TypeScript that runs in both Node.js and browsers. Process multiple tasks concurrently with built-in error handling, progress tracking, and a comprehensive event system.

Projects

Portfolio: `CURSOR AI` `STITCH AI` `FIGMA MCP` `NEXT.JS`   Portfolio ↗
- Independently designed (using Stitch AI) and built a fully responsive, single-page personal portfolio to effectively showcase my professional experience.
- Deployed via Vercel, showcasing proficiency in modern CI/CD practices and front-end hosting platforms.

PhotoSphere: `CURSOR AI` `STITCH AI` `NEXT.JS`   PhotoSphere ↗
- Implemented a photosphere view that uses Three.js to render a sphere of selected images.

kanban board: `NEXT.JS`   kanban board ↗
- A project management dashboard that uses localstorage to store the data.

Virtual Scroll List: `REACT.JS`   Virtual Scroll List ↗
- An infinite scroll list implemented using windowing concept.

Education

NIT Durgapur   2014 – 2018
- **GPA**: 8.34 / 10.0. **Course**: Computer Science & Engineering

Sri Chaitanya Jr. College, Tulasi Nagar   2012 – 2014
- **Percentage**: 97.2%. **Course:** Maths, Physics & Chemistry.

Publications

Evaluation and Detection of Hardware Trojan for Real-Time Many-Core Systems   2018

Suvadip Hazra, *Jaswanth Sai Sattenapalli*, Arka Roy, Mamata Dalui

document/8703990 ↗