

Sanjan Vadi

sanjanvadi@gmail.com | Jersey City, New Jersey | 551-328-4727 | <https://www.linkedin.com/in/sanjanvadi>

EDUCATION

Stevens Institute of Technology

Master of Science, Computer Science | GPA 3.7

May 2024

Coursework: Web Programming, DBMS, Data Structures, Algorithms, Agile Methodologies

Basaveshwar Engineering College

Bachelor of Engineering, Information Science and Engineering

October 2020

TECHNICAL SKILLS

Programming languages: Java, JavaScript, TypeScript

Database: MySQL, MongoDB, PostgreSQL, Redis, NoSQL

Frameworks: React.js, AngularJS, Next.js, GraphQL

Web Development: HTML, CSS, AJAX, Redux, Node.js, Express

Agile & DevOps: Extreme Programming, AWS EC2

PROFESSIONAL EXPERIENCE

Infosys Ltd

Bangalore, India

Systems Engineer

March 2021 – July 2022

- Spearheaded the development of client-side applications to automate item setup processes, resulting in a 60% reduction in backlog.
 - Leveraged the Inspire Designer tool to craft retail labels in strict accordance with client specifications, ensuring an error rate of less than 1%.
 - Implemented strategic solutions to address retail label challenges, resulting in a 40% decrease in production errors and streamlined operations.
 - Maintained a proactive and open line of communication with clients, promptly addressing retail label issues and collaborating on effective solutions.
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PROJECTS

PetOpia (Pet Health Management Platform)

- Utilized React to build a pet health management platform, allowing users to effortlessly track their pets' medications and prescriptions.
- Introduced a community section that enabled users to post pet-related inquiries and receive suggestions.
- Integrated social sign-in options such as Google and GitHub using Firebase, simplifying onboarding and log-in.
- Reduced website load times by 30% by implementing Redis for data caching and user session storage.
- Deployed the platform on AWS EC2 for scalability and reliability, ensuring uninterrupted service for users.

Home Finder (Real Estate Single-Page Web Application)

- Designed a feature-rich real estate web application from the ground up, utilizing HTML, CSS, JavaScript, and Express-Handlebars for the front end.
- Engineered a reliable backend using NodeJS, Express, and MongoDB, ensuring seamless data storage, retrieval, and management.
- Integrated Cloudinary for cloud-based image storage, enhancing website performance and user experience.
- Created user-specific features, allowing property owners to add, modify, and remove properties while enabling students to curate favorites. This resulted in a 20% increase in user retention and engagement metrics.

Ticketmaster Clone

- Developed a robust event platform akin to Ticketmaster using the Ticketmaster API as a data source. Built with Next.js for the front end and Node.js for the back end, the platform allowed users to explore events and attractions seamlessly.
- Implemented user-specific features such as event liking and un-liking, enabling users to curate their favorites.
- Leveraged GraphQL as the backend server technology to efficiently handle data queries and mutations. This optimization resulted in a 25% decrease in response times and a 10% increase in overall platform performance.