VENKATESH SUNDARASAN

Full Stack Developer | Expertise in MERN, Next.js, TypeScript, and Scalable Web Applications

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TECHNICAL SKILLS

Programming Languages: Typescript, Javascript, Go Lang

DevOps & Cloud: Github, Vercel, Digital Ocean, CI/CD, AWS Lambda, Docker

Frontend: HTML5, CSS3, ReactJS, NextJS, Bootstrap, Tailwind, MUI, d3Js, JQuery, Redux

Backend: NodeJS, ExpressJS, TRPC, Prisma, Next Auth, Resend

Databases: Mysql, Postgresql, Nosql, MongoDB, Redis, Planetscale, Turso

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WORK EXPERIENCE

Firebrand labs   Oct 2022 - Present

Fullstack Developer

- Led development of **8 client websites** and **a SaaS** product from ideation to deployment, aligning technical solutions with user needs through iterative feedback, resulting in **5 long-term retainers** and **30-50%** engagement growth across projects.
- Leveraged **TypeScript** across frontend (**Next.js)** and backend (Node.js/Express) to build type-safe REST APIs, achieving 50-75% faster data fetching. Automated deployments via **Docker CI/CD**, cutting costs by 20% while maintaining strict typing throughout the application lifecycle.
- Configured DigitalOcean **Linux servers** for MERN stack with **Nginx** and **PM2**. Automated CI/CD via **GitHub Actions**, reducing deployments from hours to minutes and improving server response by 40%.
- Built full-stack applications with **Next.js/Vercel**, leveraging **PostgreSQL**, **Drizzle ORM**, and **tRPC** for type-safe APIs - accelerating deployment speed by 80% while maintaining 100% reliability.
- Developed both headless CMS (**Payload**) and bespoke CMS platforms, enabling **5+ clients** to independently manage content while improving site performance by 40% compared to traditional WordPress setups.

Frontend Developer

- Developed 10+ **React SPAs** using **Context API** and **Redux** for scalable state management, integrated with REST APIs featuring optimized caching (React Query/TanStack), reducing redundant API calls by 60%**.**
- Built **Next.js** applications leveraging **SSR**, **serverless APIs**, and modern UI tools (**shadcn/ui, Tailwind CSS, MUI**), boosting SEO performance and reducing client-side JS by 60%.
- Solved client's communication challenge by creating a scrollable **3D** cosmos model (**React Three Fiber/Three.js**), making complex concepts instantly understandable to users.
- Solved client data visualisation challenges by architecting a custom **D3.js treemap** with real-time updates and mobile-first responsiveness, later adopted as their primary analytics tool.

FREELANCE DEVELOPMENT EXPERIENCE   Jun 2022 - Oct 2022

Frontend Developer | Self-Employed

- Designed and developed high-converting **SaaS** landing pages (HTML/CSS/JavaScript), from concept to deployment, incorporating **SEO best practices** that improved organic traffic by 60%.
- Led end-to-end client onboarding including **Hostinger** (hPanel) deployment, domain and SSL setup, and performance tuning, reducing go live time by half.

Key Achievement

- Generated **₹50K+** in client revenue through optimized landing pages with strategic CTAs and analytics integration.

LEADERSHIP & ACHIEVEMENTS

- Managed **end-to-end** website projects as Account Manager, handling client communications, design requirements, and development coordination to deliver complete solutions.
- Awarded **Firebrand of the Month** for delivering client design requirements while ensuring flawless cross-device functionality.
- Guided an intern through client requirement gathering and technical workflows, enabling their **independent contribution** to 2+ projects within 4 months.
- Built strong problem-solving fundamentals through 30+ **LeetCode** challenges, directly improving code efficiency in work projects by significantly.