

SAI VIVEK VANGAVETI

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[Linkedin](#)

[GitHub](#)

[Portfolio](#)

Fontana, CA (Open to Relocation)

SUMMARY

Frontend Engineer with 3+ years of experience building SEO-optimized and high-performance single page applications, MVC apps, static sites using React, Next.js and Node.js. Passionate about solving real-world user experience problems by building intuitive, engaging UI. Certified AWS Developer Associate, with strong experience in CI/CD, micro-frontends, RESTful API, scalable system design, and cross-functional collaboration. Experienced working within agile

EXPERIENCE

Frontend Engineer at The Donovan's Venom (Remote, USA)

Oct 2024 – Present

- Translated Figma designs into high-performance, cross-platform UIs using **Next.js, Zustand and TypeScript**.
- Improved first contentful paint by 40% using Server-Side Rendering (SSR) with Next.js, enabling faster page loads.
- Engineered secure authentication using **OAuth2 and JWT** improving seamless user access.
- Integrated chat assistant powered by Vercel's SDK and openAI for quickly resolving users problems with the platform.
- Build and maintained both performant RESTful APIs and GraphQL endpoints, followed HTTP semantics, well documented, proper status codes and robust and graceful error handling.

Software Engineer at George Mason University (Fairfax, USA)

Feb 2024 – Oct 2024

- Built and enhanced features for NASA-funded Geoweaver, interactive drag-and-drop workflow orchestration tool for building geospatial data pipelines using **React and D3.js**.
- Integrated WebSockets into **Node.js** app for real-time workflow monitoring, enabling dynamic job tracking.
- Improved reliability by writing **Cypress end-to-end tests and Mocha unit tests**, increasing test coverage by 40%.
- Built a CI/CD pipeline with **GitHub Actions**, automating build, docker image creation, testing and deployment, cutting deployment time from **hours to under 10 minutes**.

Software Development Engineer I at Phenom (Hyderabad, India)

Sep 2020 – Dec 2022

- Migrated 100+ jQuery-based pages to React by building a **Node.js** automation tool, reducing manual effort by 60%.
- Built **20+ reusable React components** for an internal UI library, leading to 90% adoption and reducing development time across internal teams by 30%.
- Deployed frontend apps and assets to AWS S3, supporting scalable delivery and static hosting.
- Enhanced **React application performance by 40%** by refactoring state management with **Context API, Redux**, and custom hooks, significantly reducing unnecessary re-renders.

Software Engineer Internship at Legato Health Technologies (Hyderabad, India)

Jun 2020 – Sep 2020

- Wrote comprehensive Jest and Mocha tests covering frontend modules.
- Improved the accessibility of the platform's website, making it 100% WCAG compliant.

SKILLS

Languages: JavaScript, Typescript, Java

Technologies: React, React Native, Next.js, Redux, SCSS, Tailwind, Node.js, Express, Shadcn UI, Radix UI, Jest

Databases: MySQL, PostgreSQL, DynamoDB, MongoDB, Supabase

Devops: AWS, Docker, Kubernetes, Terraform, Jenkins, Redis, GitHub Actions, Vercel

Tools: Git, Postman, Storybook, Webpack, Babel, Vite, JIRA, NPM, Figma, Linux, Copilot, Cursor

PROJECTS

Cloud Mart – [GitHub](#) (React, React Native, Shadcn UI, Javascript, AWS Bedrock, AWS Lambda)

Feb 2025

- Built a cloud native e-commerce website and mobile app automating infrastructure with Terraform and containerizing apps with Docker/ECR, deployed EKS clusters, automated with AWS CodePipeline
- Integrated AI Chat Assistant for product recommendations using AWS Bedrock.

EDUCATION

George Mason University, Fairfax, VA

Jan 2023 – Dec 2024

Master of Science in Computer and Information Science (STEM)

GPA: 3.97/4.00

Jawaharlal Nehru Technological University, Hyderabad, India

Aug 2016 – May 2020

Bachelor of Technology in Computer Science and Engineering

GPA: 3.44/4.00

Certifications: [AWS Developer Associate](#), [Joy of React](#), [Smart Coder](#)