




Vraj Shah

Software Developer

A design-minded software developer with experiences in various aspects of product development.

Contact

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Skills & Technologies

JS

React, Next.js, Express, React Native, Webpack, Svelte, Prisma, Socket.io, Alpine.js

Python

Django, Flask, FastAPI, Numpy, Pandas

Backend & Infra

WebRTC, Serverless fw, Docker, golang, GORM, PostgreSQL, Redis, MongoDB

Others

Flutter(Dart), Laravel, Livewire, Ruby, Kotlin, Java

Tools

Notion, Figma, Xd, Mixpanel, Vim, UNIX administration, Photoshop, Premiere Pro

Software Developer

bluelearn.in

Bluelearn | Oct '21 – Present

- Independently worked on building multiple iterations of the bluelearn webapp and admin panel. Used **React** in **Nextjs** maintaining a strictly typed environment
- Developed a **headless** CSS UI library based on the design system
- Worked on the **DevOps & CI/CD pipelines** for the webapp using **AWS Lambda, Lightsail & Amplify**
- Worked on an **open-source component library & microfrontend architecture** for code-sharing across platforms with **react native**
- Worked on serveral backend endpoints for features like **push notifications, deeplinking & authentication**
- Presicely configured **webpack** to serve **multi-platform frontends** for the web
- Experimented with various frontend architectures for acheiving optimal **performance, developer experience, delivery time & overall quality**
- Worked on PRD's & POC's for several product feature experiments

ML Research Project

ADVentures | Jan'22 –April'22

- Problem statement was around building a solution for fruit & vegetable farmers that helps them measure their yeild with the help of ML
- Researched & developed multiple methods of object detection & counting to compare the outputs, some methods include: **contour-based object detection, watershed algorithm, R-CNN, yolov4 & yolov5**

Frontend Developer (Freelance)

presentstorie.vercel.app

Present Storie | Aug '20 – Feb'21

- Built a **buyer & seller facing webapps** end-to-end from scratch
- Developed my first **styling library** using SCSS
- Pull off several complex UI patterns based on the prototype to about 95% accuracy

Education

Bachelor's in Computer Engineering

Sardar Vallabhbhai Patel Institute of Technology (Vasad),
2019 – Present

Higher Secondary Schooling

St. Kabir School (Vadodara),
2017 – 2019

Projects, Volunteering & Acheivements

Hackathon Management System

- Built a backend for managing participants and mentors with features like activity check-in, lab allocation and certificate generation using **golang & postgresql**
- The backend was linked to **React Native** app that used QR-based user identification & check-in
- This system successfully served our **500+ footfall** hackathon [MECIA Hacks](#) .

Co-lead [Hack Club SVIT]

- Led **development, design & branding** for our 1000 people strong community & national level hackathon [Hack SVIT](#)
- Shipped various **landing pages, designs, app & backend** for HackSVIT
- Delivered & hosted several tech talks, workshops & events

Projects, Volunteering & Achievements

Student Transcript Dashboard

- Tried building a fullstack webapp with multiple web frameworks including **Laravel**, **Livewire** & finally **Nextjs** just for experiment sake
- Build infrastructure for generating college transcripts in pdf format after fetching the DB. Used **Prisma ORM** for database operations.

College Management System App

- Contributed to SVIT CMS **flutter** app built by students of our college which is in **production** currently
- Work on several screens & features end-to-end

Participated in 18+ Hackathons & Won 3 of them

- Demoed at about 18 online hackathons by **Major League Hacking** and other organizers
- Won the "Hometown Hero Hack" category in **HeroHacks 2020** by MLH.
- Won the "Best Domain Name form Domain.com" category in **Lights, Camera, Hacktion! 2020** by MLH.
- Won the "Best use of DataStax Astra" category in **Hacktoon 2021** by MLH.

Odeo.in – FullStack webapp

- Built a fullstack website using **Next.js**
- Used **PrismaORM** with **postgresql** ensuring strict **typescript** interfacing
- Setup DevOps using **Vercel** & **AWS S3**

Prakarsh XVI – Website & Backend

- Built a website for our college tech fest with **Next.js**
- Worked with **Strapi** backend & integrated **Razorpay**
- Built a service to automatically generate **payment receipts** & **participation certificates** as pdfs and send them via email.