KARAN SANJEEV NAIR

FULL-STACK DEVELOPER

PERSONAL PROFILE

Full-Stack developer, Specialized in Javascript and PHP technologies. Experienced in building full fledged web applications

CONTACT

- /smartclash
- yo@alphaman.me
- @xXAlphaManXx
- /karansanjeev-alphaman
- https://alphaman.me/

EDUCATION

High School - 2019
Science, Computer Major.
Sethu Bhaskara Matriculation Higher Secondary School

Undergraduate - 2019 - 2023
BE. Computer Science
KCG College of Technology

MAJOR PROJECTS

Sub2Unlock - https://sub2unlock.com/
STACK - PHP(LARAVEL), NGINX, MARIADB, REDIS

- Built highly available and scalable infrastructure to meet 1M+ reqs/day
- Made application respond within 30MS latency
- Built custom caching systems reducing load by ~49%
- Reduced monthly server costs by ~40%

LinkGenie.Me - https://linkgenie.me/
STACK - NODEJS(EXPRESS), NGINX, POSTGRES, SVELTEJS
https://github.com/smartclash/LinkGenie

- Built completely using SvelteJS. Site size less than 30KB, loads in less than 1 second globally
- Backend powered by Hasura
- Leveraged cloudflare caching using CF workers to make the site feel even more snappy

FormZend - https://formzend.com/
STACK - PHP, MYSQL, NGINX, REDIS
https://github.com/InScrompT/FormZend

- Uses queues to perform time intensive tasks such as sending emails and updating records
- Replaces custom backends to handle form submission for static sites. Submit to formzend and it will email the submission automatically.
- Uses docker swarm to deploy multiple containers and maintain good uptime.

LANGUAGES KNOWN

- NodeJS - Advanced   - ExpressJS, SailsJS
- PHP   - Advanced   - Laravel, SlimPHP
- GoLang - Intermediate - Gorilla toolkit
- Ruby   - Beginner   - Ruby on Rails

INTERNSHIPS

CoronaSafe - https://coronasafe.network/

NodeJS, Ruby, React, Python. Built healthcare system serving thousands of patients each day

- Built dashboard that monitors oxygen, beds and medicine stocks
- Collaborated on software for healthcare facilities to manage patients that includes modules for management of assets, inventory of medicines, samples and more
- Now a maintainer for almost all projects under the CoronaSafe network

MLH Fellowship - https://fellowship.mlh.io/

Fellow, Node JS. Worked on Facebook's Jest test runner

- Made custom runner for Jest that helps people test their typings in javascript projects
  - https://github.com/MLH-Fellowship/jest-runner-tsd
- Made two feature PRs to TSD - https://github.com/SamVerschueren/tsd
  - Added support to specify test files and typings file path manually.
  - Added verbose reporting feature that returns the number of tests it ran.
- Wrote tests for TS typings of Jest using the custom runner made during the fellowship.

Hasura - https://hasura.io/

Node JS. Worked on documentation and Hasura's CLI tool.

- Made significant contributions to Hasura's documentation.
- Created hasura-nodejs getting started template.
- One of the few top contributors at Hasura's forum.

FUN PROJECTS

Choicez - https://choicez.alphaman.me/

Golang, Meillisearch, NextJS (React). https://github.com/smartclash/sandeadry-client

- Search through 10K+ MCQs in milliseconds. Results as you type.
- Scrapper built using Golang. Scrapes MCQs from sanfoundry.com, sorts data and saves into JSON. And is also indexed into Meillisearch engine (alternative to ElasticSearch)
- Frontend built using BulmaCSS and NextJS. Provides clean UI to filter through MCQs according to subjects, topics and degrees.

PredCorona - https://corona.alphaman.me/

SvelteJS. https://github.com/smartclash/PredCorona

- Created using SvelteJS, hosted in GitHub pages.
- Predicts future corona cases and draws chart using Chart.JS

WutIsMyMark - https://github.com/smartclash/WutIsMyMark

Nodejs, Typescript, Puppeteer. Scrapes data from college internal website returns JSON

- Scrapes data from college website using puppeteer.
- Returns the data scrapped as a JSON response. Can be used to build various other apps.

CollegeScrapper - https://github.com/smartclash/CollegeScrapper

Nodejs, Typescript, Cheerio, Axios. Scrapes college list from careers360.com and saves as a JSON

- Scrapes data recursively from all pages of careers360.com.
- Parses the data and saves it into JSON file. Indexed more than 4000 college's information.