







# KARAN SANJEEV NAIR

FULL-STACK DEVELOPER

## PERSONAL PROFILE

Full-Stack developer,  
Specialized in Golang,  
Javascript & PHP  
technologies. Experienced in  
building full fledged  
performant solutions.

## CONTACT

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## EDUCATION

**High School** - 2019  
Science, Computer Major.

Sethu Bhaskara Matriculation  
Higher Secondary School

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

## CONTRACTS

**Gossip.CG, Basik Marketing**- <https://gossip.gg/>  
NODEJS (STRAPI), GOLANG, MEILISEARCH, NEXTJS - FULL STACK

- Ideated, managed and distributed plans across different development phases.
- Made recommendation engine and using Go & Node
- Built highly performant SSR frontend using NextJS
- Reduced monthly server costs by ~40%
- Made article navigation load within 150ms

**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%

**Agrolen - Navasheva Group of Companies**  
PHP (LARAVEL), POSTGRESQL, REACT NATIVE, REACT (NEXT JS)

- Completely digitalised milk supply chain, from the farmer to dairy milk aggregators.
- Architected and implemented system within 2 months.
- Built performant backend that responds within 50ms irrespective of traffic.
- Hired, trained and managed a team of 4 people.
- Provided consultancy and introduced major USPs to the product.

## TECH STACK

- NodeJS - Advanced
- PHP - Advanced
- React - Advanced
- GoLang - Intermediate
- ExpressJS, SailsJS
- Laravel, Symfony
- Next.js, Astro
- Gorilla, Gin, GORM

## PROJECTS

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### **Choicez** - <https://choicez.alphaman.me/>

Golang, Meilisearch, NextJS (React), Typescript, Bulma.css, Go-Colly, SQLite

<https://github.com/smartclash/LinkGenie>

- Custom built scrapper in Golang to get more than 20K+ MCQs along with their explanations
- Built MCQ indexer and made the MCQs searchable in milliseconds using Meilisearch.
- Built a lightweight Nextjs frontend search and filter through all the MCQs that were indexed.

### **LinkGenie.Me** - <https://linkgenie.me/>

STACK - PHP (LARAVEL), 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

Checkout more at my Github: <https://github.com/smartclash>

## INTERSHIPS

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### **Stockarea** - <https://stockarea.io/> - 6 months

Backend developer - Laravel

- Automated data retrieval from e-way bill to generate invoices.
- Made resource efficient report generation that handled deep data relations.
- Built importer to import more than 10K products without hogging resources.
- Built API for statistics and ledger with advanced filters and sorting.

### **CoronaSafe** - <https://coronasafe.network/> - 3 months

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

- Built dashboard that monitors oxygen, beds and medicine stocks.
- Built software for healthcare facilities to manage patients, assets & medical supplies.
- Implemented systems that directs ambulances with necessary supplies for a particular patient at record time removing multiple human interventions.

### **MLH Fellowship** - <https://fellowship.mlh.io/> - 3 months

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/> - 3 months

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.