AKSHAY NAIR

FULL-STACK SOFTWARE DEVELOPER

SUMMARY

Passionate and motivated full-stack software developer from **India (+05:30 GMT)** with **6 years of experience** building **clean user experiences** backed by **performant, maintainable** and **well-tested** code.

INFO

- github.com/phenax
- akshay.n0@protonmail.com
- ediblemonad.dev
- linkedin.com/in/akshay-nair5
- Mumbai, India (+5:30 GMT)

WORK EXPERIENCE

Colabra *(colabra.app)*

`typescript` `vue.js` `graphql` `prosemirror` `web-workers` `y.js` `hasura`

» Worked on the **realtime, collaborative electronic lab notebook** with a team of 5
» Pushed a strong **unit testing** practice into the codebase which allowed us to deploy with confidence
» Discovered and fixed **security** issues in the editor & utilized **web workers** which improved our token security
» Removed **bottlenecks** in deployment and **increased shipping speed** from monthly to a consistent 2-3 times a week
» Migrated **auth** identity providers and worked on **SSO** for our **enterprise** clients with a tight deadline
» Introduced a **service worker** and **caching** which made the second **load experience** snappy

[2021 - 2022 (> 1 year)]

Invideo *(invideo.io)*

`rescript` `typescript` `micro-frontend` `angular` `go-lang` `pixi.js`

» Worked on the core **video editor** ui and backend on 3 different teams
» Drove migration of some critical parts of the codebase to **rescript** which lead to reduces the number of **undefined/null** issues in our bug tracker to 0 and an overall improvement in the **functional patterns** used to tackle problems
» Built a **lazy services** architecture for angular which allowed developers to lazily load non-critical services which shaved off about more than 100KB of out of the initial load times
» Helped with the **re-write** of the video editor from DOM to **canvas** which improved the **frame-rate** to a more stable 60fps

[2020 - 2021 (~ 1 year)]

People Interactive *(shaadi.com)*

`typescript` `react` `nodejs` `performance` `analytics`

» Worked on pods to deliver many user-facing features
» Lead the **platform team** responsible for handling overall site **performance** , **code-reviews** , and tackling **big-picture** issues with our codebase
» Built extensive **analytics** for the on-boarding forms and fixed **critical UX issues** which lead to an **increase in sign ups** by > 10%

[2018 - 2020 (> 2.5 years)]

Yocket *(yocket.in)*

`javascript` `php` `aws`

» Worked on multiple **user-facing features and bug fixes** on yocket
» Drove the **re-write** and **re-design** of the stupidsid.com website
» Built and managed an internal **form generator** for marketing and surveys

[2017 - 2018 (> 1 year)]

SIDE PROJECTS

Typed RegEx

`typescript` `regex` `dev-ex`

Built a typescript library for automatic type inference on regular expressions using named capture groups

- https://github.com/phenax/typed-regex

Algebraic Effects

`functional-programming` `typescript` `side-effects`

Built a library for managing side-effects in a pure and composable way using algebraic effects

- https://github.com/phenax/algebraic-effects

Runtime for TS types

`functional-programming` `typescript` `node`

Built a runtime and library for typescript's types that turns the type system into a general purpose, purely functional programming language!

- https://github.com/phenax/ts-types-runtime

Pattern Lock

`canvas` `javascript`

A library for creating customizable pattern lock for the web and PWAs

- https://github.com/phenax/pattern-lock-js

Diary PWA

`go-lang` `graphql` `preact` `pwa`

A progressive web app in go-lang that lets you carry a personalized secure diary in your pocket. Integrated pattern-lock-js library to allow for privacy

- https://github.com/phenax/diary-pwa

OWYN Launcher

`flutter` `android`

A minimalist, text-only launcher written in flutter which I use every day

- https://github.com/phenax/owyn-launcher