Riki Phukon

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Work EXPERIENCE

Indiehacking — Nov 2023 - Present
  - I've been building Saas products and building in public.

Full-stack developer

Xongroh — July - Oct 2023
  - Key team member. Sole techie. Played a crucial part in both technical and executive aspects.

Engineer Intern — Aug- Sept 2022

Indian Institute of Technology, Guwahati, IN
  - Implementation of Diversity Receivers on FPGA | OFDM simulation. Link

Intern — Sept- Oct 2021

Bharat Sanchar Nigam Limited, Jorhat, IN
  - I contributed to the operations of the telecom exchange, checking for BSNL's fibre optic network faults in the district.

PROJECTS / PROOF OF WORK

Clack | **Cloudflare Workers KV, PostgreSQL, OpenAI SDK, AWS S3 + Cloudfront**
- Clack **syncs** your writing activity from **Notion** and **Google Docs** displaying progress on a calendar like GitHub's commit calendar.
- Launched on **ProductHunt** and devised a subscription model with Stripe. Offering users flexible payment options monthly or yearly.
- Data is **encryted** using AES-256-CBC and it also includes a handy widget for Notion workspace. It also comes with an **AI assistant** and a Notion-style WYSIWYG editor.

CitySort | **Typescript, Pocketbase, React, Nginx, Docker, Tailwindcss, AWS EC2**
- A live index of the best cities to live and work in India, based on crowdsourced data with the backend hosted on aws EC2 server.

Binary Dreams | **Typescript, Next.js, Jotai, Contentlayer, TailwindCSS**
- Interactive e/acc Art Platform with audio fx and Image editor and **neobrutalistic design.**
- State is managed using the url. This allows users to share artworks precisely in the state of their progress.

GitKeykit | **Javascript, Node.js**
- Setting up GPG and Git configuration on **remote machines** and GitHub codespaces is cumbersome, so it helps setup **Git and GPG configs** with one command.
- Sets pinentry mode to loopback for secure passphrase entry. **Creates and imports** gpg keys.
- Gracefully handles differences between Linux and Windows machines.

Guava-term | **Javascript, Node.js, Cli tool | Websockets**
- An **exploit** to interact with a **Vercel Build Container** from the inside.
- Helps use the container's **/tmp directory** and use **500MB** of extra space that is otherwise not available to the users on Vercel.

Xongroh | **ReactJS, PM2, Tailwindcss, ExpressJS, MongoDB, Redux-Toolkit & RTK Query, Nginx**
- Social marketplace designed exclusively for Creators. Served from a VPS deployment on a **PM2** managed Node.js server with Nginx as a **reverse proxy**.

SKILLS

Typescript, Golang, GDScript, Node.js, Next.js, Redux Toolkit, Tailwind CSS, AWS, Linux, Docker, Kubernetes

I can read documentation and learn practically anything.

EDUCATION

Jorhat Institute of Science and Technology, ASTU — Jorhat, IND
Bachelor of Technology in Electronics and Telecommunication Eng. — *2019-23*