Chirag **Singla**

SOFTWARE ENGINEER

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Summary

2+ years of experience in backend and frontend development. Super nerd who loves Rust, Vim, Linux and and enjoys android customisations. Interested in contributing to innovative projects and thrive in collaborative and challenging work environments.

Skills

Technical Skills	Rust, PostgreSQL, C++, Python, Javascript, HTML, TailwindCSS, React
Tools	Trunk, Docker, Nginx, CMake, Git, VS2022, RenderDoc

Projects

Animeflix — *Github*
AN EASY TO HOST NEXTJS PROJECT FOR STREAMING AND SEARCHING ANIMES — *February. 2023*

- Custom React hooks for responsive web pages and content fetching
- Easy to use beautiful UI using TailwindCSS
- Custom VideoPlayer and controls for accessibility and smooth ux
- Supports HLS live streams along with browser supported formats.
- Fully dockerized app that can be run and deployed anywhere

OpenMapsApi — *Github*
SIMPLIFY THE USE OF OPEN SOURCE MAPS IN YOUR APPLICATIONS WITHOUT DEPENDING ON EXTERNAL COSTLY ALTERNATIVES — *January. 2024 - Ongoing*

- A fast backend api in rust using Poem framework
- Parses and sets up your OSM data in your PosgreSQL DB
- A frontend UI written in rust running on WASM
- Multi container application with a Nginx ingress

Setup-ccache — *Github*
SPEEDS UP YOUR C++/C GITHUB CI WORKFLOW — *October. 2021*

- Automated caching and restoring build artifacts
- Sets up and installs CCache in your CI environment
- Supports Linux, Windows and OSX

NexOS — *Github*
A PURE RUST OS WITH CUSTOM UEFI BOOTLOADER WITH BEAUTIFUL GUI — *Ongoing*

Work Experience

Freelance — *United States*
REACT WEBAPP — *August. 2023*

- Built a Javascript API to fetch available appointment details.
- Created an interactive web app that automatically updates data without manual refresh
- Implement a data table with sorting and filtering built it.
- Managed DNS CNAME records, cloudflare rules and hosting.

Freelance — *United States*
PYTHON AUTOMATION — *Jun. 2023*

- Created a python script to send Email updates and Social media notifications to users
- Provisioned an Amazon EC2 instance to host the automation script.

Open Source

Poem Framework — *Github*
POEM OPENAPI — *January. 2024*

- Improved OpenAPI support in the framework.
- Implemented Derive Macros to increase developer experience.
- Added new tests to increase test coverage.