Vishesh Agrawal

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EDUCATION

Nirma University   Ahmedabad, India
Bachelor of Technology in Information Technology   *Jul. 2017 – May 2021*

EXPERIENCE

SendX.io   January 2021 – Present
Internship   *Remote*
- Setup monitoring for Sendpost.io from scratch using AWS, Ansible, Prometheus, Grafana and various exporters
- Wrote a wrapper to push necessary metrics from the backend to Prometheus in Golang
- Setup logging for Sendpost.io from scratch using Loki and Promtail

Major League Hacking   October 2020 – December 2020
Open Source Fellow   *Remote*
- Contributed to Kiwi TCMS to increase code coverage in Django
- Won the Halfway Hackthon, for project "mlh-township" in the "Best Community Project" category

Makera   May. 2020– Oct. 2020
Backend Developer   *Remote*
- Provision REST API routes using Flask
- Used SQLAlchemy and Marshmallow to manage a PostgreSQL database
- Deployed and managed production server for both the frontend and backend with NGINX

Inventum Pvt. Ltd.   May. 2019 – June. 2019
Engineering Intern   *Noida, India*
- Built, compiled and configured an LFS (Linux From Scratch) distribution

PROJECTS

anzibl | *Prometheus, Ansible, AWS EC2*   December 2020
- Ansible project to automate provisioning an EC2 instance, deploy a webserver, monitor it using Prometheus and trigger alerts with alertmanager

mlh-township | *NodeJS, WebSockets, WebRTC, PeerJS, React*   November 2020
- MLH Township harnesses the power of websockets and webRTC to provide the fellows a playgournd where they can comuunicate and hang out with each other in the game-like setting of MLH Town
- Winner in the "Best Community Project" category for the MLH Halfway Hackthon

CovidAid | *Flask, NGINX, PostgreSQL, SqlAlchemy*   October 2020
- A Hackathon Project made during our first week at MLH. I was resposbile for provisioning the backend, written in Flask, writing the core APIs, documenting the APIs and deploying it using NGINX

tengi | *ANSI C*
- A minimal shell written in C. The goal with the project was to learn how a UNIX shell works and communicates with process and system calls

lyceum | *ANSI C*
- A Static Site Generator, written with the primary goal of being simple and protable. The project uses no external libraries and build natively on any platform. It renders Text files with metadata about the file on top into plain HTML

sersim | *ANSI C*
- HTTP Server written in C to locally serve lyceum

TECHNICAL SKILLS

Comfortable Languages: Python, C, Golang
Comfortable Technologies: Django, Flask, Ansible, Prometheus, AWS, Beego
Developer Tools: Git, Docker, TMUX, Linux
Familiar Languages: Bash, C++
Familiar Technologies: Redis, WebSockets, WebRTC, OpenGL, SDL2