Ankit Saini

✉ ankitsaini100205@gmail.com ⧉ 🌐 nkit.dev ⧉ ⎇ nkitsaini ⧉ in nkitsaini ⧉

SUMMARY

Software Engineer with 5 years of experience building full-stack applications, scalable microservices, internal tooling and infrastructure. Interests in Algorithms, Math, ML, Networking and anything intellectually intereseting.

TECHNICAL SKILLS

Languages: Rust, Golang, Python, Typescript/Javascript, Dart, Nix, HTML, CSS, SQL, Bash, GraphQL
Frameworks & Libraries: Svelte-(kit), React, Tailwind, Pytorch, Matplotlib, FastAPI, Flask, Express, Koa, Fastify
Cloud & DevOps: Docker/Podman, Kubernetes, AWS, CI/CD
Tools: Git, Linux/Unix, Nix, Jupyter, Node.js, PostgreSQL, Redis, MongoDB

PROFESSIONAL EXPERIENCE

SingleStore ⧉ — *Remote*
Software Engineer — Nov 2023 - Present
- Lead engineering efforts for compute based service offerings via existing and new features.
- Mentored team members and interns through PR reviews and pair programming.
- Implemented key parts of Scheduled Notebook Jobs including suspension and monitoring. Scheduled Notebook Jobs resulted in significant increase of compute job usage from 100/month to 10k/month.
- Architected and Implemented Cloud Function and Dashboards, increasing the compute offerings laying groundwork for end-to-end application developments on single platform.

Postman ⧉ — *Remote*
Software Engineer — Aug 2022 - Nov 2023
- Re-architected Postman Secret Scanner, making it scalable and reducing failure rates from 17% to less than 0.1% while processing 120k RPM for 20+ million users, driving $1M in ARR.
- Owned and delivered Postman Vault and Vault Integrations for HashiCorp Vault, Azure Key Vault and AWS Secrets Manager. It became one of the central feature of Postman 11 major release as a paid ad-on.
- Took initiatives for migration to MySQL 8 resulting in p99 drop from 6s to 200ms and adding type-checks via Typescript and JSDoc cutting production bugs in half.

PaveAI ⧉ — *Remote*
Software Engineer — May 2020 - Apr 2022
- Architected and deployed reproducible developer environment using podman, reducing setup-time 95%.
- Built and maintained mission-critical services including Log Aggregator and Hiring Platform

PROJECTS

Lox Language Interpreters ⧉ - Rust, Python, C, Compilers
- Lox Interpreters based on 'Crafting Interpreters' book including both tree-walk and bytecode implementation.

RSS Reader ⧉ - Svelte, RSS, Atom, CapacitorJS, Kysely, Tailwind
- Fully featured RSS Reader with support for text, audio and video (including youtube) feeds. Available as Web and Android App. Used daily by me and my friends.

Nkit Launcher ⧉ - Dart, Flutter, Android
- Simple android launcher with grayscale icons. Used daily by me.

See more on Github. ⧉

CHALLENGES & HACKATHONS

Protohackers ⌝   Global Ranking: 26th ⌝
- Implemented custom network protocols on top of TCP and UDP. Currently 26th in global ranking.

Kaggle Deepfake Detection 2020 ⌝   Global Ranking: 132nd ⌝
- Implemented deepfake detection using ResNet and various Deep Learning techniques like Adam. Achieved 132nd global ranking.

Advent of Code 2022-2023 ⌝   Global Ranking: 65th ⌝   94th ⌝
- Made it to daily top 100 twice.

Supabse Week 6 Hackathon 2023 ⌝
- Won in 'Most Fun' Category

OPEN SOURCE CONTRIBUTIONS

- **uv** #11738 ⌝
- **Helix Editor** #9660 ⌝
- **Revanced Manager** #439 ⌝
- **Mitype** #147 ⌝

See more on Github. ⌝