SID VERMA

I've been working on end-to-end development of web-based platforms and tools for the last 8 years. I also enjoy building dev-tools and automation processes.

Web: sidverma.io
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Location: Goa, India [UTC+05:30]

SKILLS

Go, Python, JavaScript, Rust, Java, C · Web, HTTP, Frontend, Containers, Linux, Networks, Android

WORK EXPERIENCE

Freelance - *Tickertape, Solar Accounts, McLaren college...*   <Scattered>
Software developer, Academic tutor · Python, JS, SQL, Appsmith, Java, React, Spring, SWT

- Worked on adding new features to clients' pre-existing products. This often required quick onboarding to the code, work estimation, developing the said feature, and improving the codebase wherever deemed economical.
- Did rapid prototyping to develop many functional POC apps, for UX and feasibility testing of new features.
- Built a powerful user-friendly stock screener to do complex filtering on stocks based on many kinds of variables.
- Built and maintained the infrastructure for online classrooms. This also required building tools for grading, tracking and scoring the students to reduce staff workload.
- Developed and taught software development courses.

Shortform - *A book summary service offering in-depth book guides*   Nov 2021 - Jun 2022
Senior Software Engineer · Python, JS, Flask, VueJS, Ansible, SQL

- Worked as a full-stack developer in a small team, built APIs and UIs for the product.
- Worked on improving AB test integration in the platform, to help with product strategies.
- Performed maintenance work on infrastructure as needed.

Opencraft - *An Open edX platform development provider*   June 2020 - Aug 2021
Senior Open Source Developer · Python, JS, Django, React, Ansible, SQL, Elastic

- Managed clients, projects and recruitment in the organization.
- Worked on building blockstore, a content storing system with built-in version control, multi-tenancy and hierarchical linking. This replaced a mongodb-based inflexible and static legacy storage mechanism.
- Collaborated with the edX organization to plan and add improvements to the platform, and built custom solutions for clients, to customize Open edX to their needs.
- Worked on developing and maintaining the internal and client infrastructure.
- Worked on improving company processes around async sprints, recruitment and communication.

Tower Research Capital - *A New York based high-frequency trading firm*   Sep 2017 - Mar 2019
Software Engineer · Go, JS, Python, VueJS, Django, Kafka, SQL, Elastic, Neo4J

- Developed a unified monitoring and alerting system, which was pluggable into all trading and operational tools.
- Developed tools to visualize the complex company wide systems infrastructure in a single place. These views could be used by sysadmins to get a logical overview, or by data-center techs to get a physical overview, etc.
- Built a IFTTT like extensible automation framework, to help automate various internal organizational processes.
- Improved services and APIs' performance by optimizing code, databases and deployment.
- Wrote APIs and developed UIs for various internal products across the organization.

CultureAlley - *Developers of Hello English, an English-learning platform*   Jun 2015 - Sep 2017
Software Engineer · Pocketsphinx, JS, Python, C, Java, SQL, Electron, Android

- Built a multi-platform speech recognition + grading system for servers, web-browsers, and mobile apps.
- Prototyped and developed effecient news-feed solutions, and chatbot-based teaching platforms.
- Developed APIs, UIs, desktop apps, android modules, browser extensions and IVR interfaces.
- Introduced and set up automation pipelines for testing, deployment, and rollbacks across all apps.

EDUCATION

Jaypee University of Engineering and Technology - B.Tech, Computer Science and Engineering   2012 – 2016

CURRENT PROJECT

A Rust library to facilitate building easy and lightweight music visualization tools on different platforms.