

SID VERMA

I am highly skilled at building web platforms, dev tools and automation tools. I also have an interest in community building, business development, and education.

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Location: Goa, India [UTC+05:30]

SKILLS

Web - Backend

Go, Python, Node.JS, Java, PHP

A lot of my work has been writing the backend code for various kinds of services.

Web - Frontend

React, Vue.js, Canvas, Meteor.js, jQuery

I'm quite good at developing UIs using the current 'trend' in the web landscape.

Ops and Admin

Docker, Kubernetes, Ansible, Linux, Networks

I have been doing DevOps and sysadmin work for small to medium-sized organizations.

Other

C++, Kotlin, Swift, Rust, SQL, Neo4J, Elastic, Embedded

Mobile development, System tools, Data storage strategies, Art projects

Non-Technical

Community management, Conference organization, Recruitment, Budgets and estimates, Project management

WORK EXPERIENCE

Self-employed - Multiple projects through different clients

Present

Software developer, Academic tutor · Rust, C++, Go, Python, JS, SQL, React, Java

- Wrote audio processing libraries for analyzing music, to aid sophisticated visualization.
- Built a powerful stock screener serving 3 million+ monthly active users.
- Built and maintained infrastructure for online classrooms, designed grading workflows.
- Developed and taught software development courses.
- Did rapid prototyping for proof-of-concept apps, for UX and market testing.
- Developed new features in multiple platforms, improving codebase reliability and complexity.

Shortform - A book summary service offering in-depth book guides

Nov 2021 - Jun 2022

Senior Software Engineer · Python, JS, Flask, VueJS, Ansible, SQL

- Wrote APIs and developed the UI for the core product.
- Developed the AB testing framework for the backend and the UI, to help with product strategies.
- Worked on automating and improving the cloud infrastructure.

Opencraft - A consultancy providing OpenEdX development services

Jun 2020 - Aug 2021

Senior Open Source Developer · Kubernetes, Python, JS, Django, React, Ansible, SQL, Elastic

Oct 2023 - Mar 2024

- Managed clients, projects and recruitment in the organization.
- Worked on building the open-source 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.
- Worked on building an open-source orchestration platform to easily manage Edx installation across clients.
- Collaborated with upstream to plan and add features to the platform, as per client requirements.
- Worked on developing and maintaining the internal and client cloud 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 efficient 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