

SID VERMA

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I find joy in knowing a lot of things, and thrive in freedom to work on the larger product rather than owning contained components. I work as a language-agnostic full-stack developer, working on ways to develop/improve a product based on needs, available resources, and foresight. I excel at rapid prototyping and developing automation processes.

WORK EXPERIENCE

Freelance - *Solar Accounts, McLaren college, Smallcase*

<Scattered>

Software developer, Academic tutor · Python, JS, SQL, Appsmith, Java, React, Spring, SWT

- Developed new features and improved reliability of existing platforms.
- Improved security of accounting tools.
- Developed and maintained learning+grading infrastructure of online classrooms.
- Developed course material and taught software development courses.
- Developed a powerful stock-screener for easily browsing and filtering stock details.

Shortform - *Platform providing book guides and summaries*

Nov 2021 - Jun 2022

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

- Built APIs and UI for the browsing and reading platform.
- Worked on deeply integrating AB tests in the platform to help with product direction.
- Performed maintenance work on infrastructure.

Opencraft - *A consultancy providing OpenEdx solutions*

June 2020 - Aug 2021

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

- Managed clients, projects and recruitment in the organization.
- Developed a new storage-agnostic content serving mechanism, greatly enhancing performance and multi-tenancy.
- Built custom solutions for clients, to customize OpenEdx to their needs, and upstreamed the improvements.
- Deploying and maintaining the internal and client infrastructure.
- Worked on improving company processes around sprints, recruitment and communication.

Tower Research Capital - *A High-frequency trading firm*

Sep 2017 - Mar 2019

Software Engineer · Go, JS, Python, VueJS, Django, SQL, Kafka, Elastic, Neo4J

- Developed unified monitoring and alerting systems, to be easily used by all trading and operational tools.
- Oversaw development of tools to visualize the systems infrastructure (physical and logical) at different levels.
- Built a pluggable and extensible automation framework, to help automate various organizational processes.
- Improved services and APIs performance of the core platform.
- 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.

SKILLS

Go, Python, JavaScript, SQL, Web, Docker, Java, C, Android, Web search

EDUCATION

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

2012 – 2016

CURRENT PROJECTS

Homelab - Revamping my personal cloud infrastructure - moving away from terraform to Ansible, adding clustered nodes, security and redundancy.