

SID VERMA

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WORK EXPERIENCE

Consultant - *Shortform, Springbok, McLaren college, Smallcase*

Jan 2020 - Jul 2022

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

- Developed features and improved reliability of existing platforms.
- Developed internal tools for more efficient ops work.
- Wrote and maintained software and server infrastructure for clients, mostly in academia and accounting.
- Built foundational MVPs for early-stage startups.
- Developed course material for and instructed software development courses in programming bootcamps.

Opencraft - *A consultancy providing OpenEdx solutions*

June 2020 - Aug 2021

Senior Software Engineer · Python, JS, Django, React, Ansible, SQL, Elastic

- Managed clients, projects and recruitment in the organization.
- Developed custom solutions for a number of clients/projects to extend the OpenEdx platform.
 - Most of the changes to the core platform are built in a modular fashion, so that they get merged upstream.
 - Modules extending the platform are often published as open-source too.
- Worked on deploying and maintaining the infrastructure, both internal and client-owned.
- 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 a unified monitoring and alerting system, to be used by all other services across teams.
- Oversaw development of tools to visualize the complete infrastructure (physical and logical) at different levels.
- Rewrote central automation framework to be very generic and extensible, automated various org processes.
- Drastically 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 · JS, Python, C, Java, SQL, Electron, Android

- Built a speech recognition + grading system for multiple platforms - servers, web-browsers, and mobile apps.
- Refactored a large dynamic website to work as an offline desktop application using the same codebase.
- Designed and built a very cost-efficient and fast social news-feed platform.
- Developed a chatbot platform and an accompanying instructor-friendly grammar for teaching languages.
- Introduced and set up automation pipelines for testing, deployment, and rollbacks across all apps.
- Wrote data aggregation services, browser extensions, IVR platforms, and several Android modules.

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

OTHER PROJECTS

Odyssey - Terraform modules to completely manage all containers, users, DNS records, firewalls, and more for personal infrastructure (in on-prem and cloud-based servers).

Plumbie - In active development, a platform to connect different third-party apps and services in pipeline form, à la an easily extensible self-hosted IFTTT.