

Sudhanshu Dey

Senior Software Engineer

My website: <https://srdey3993.wixsite.com/portfolio>

Address:

Pune, Maharashtra - 411057

Phone:

+91- 7840980309 / 8149556600

Email:

srdey3993@gmail.com

Career Objective

To work with an organization where is a scope for self-improvement and knowledge enhancement which will provide an opportunity to exhibit the best of my ability and contribute towards organizational development.

Organizational Experience

- Currently working at **MapleLabs Solutions Pvt Ltd** as a **Senior Python Developer** from Sept'20 to Till date.
- Worked at **Synechron Technologies** Pune, as a **Senior Technology Associate** from Dec'18 to Sept'20.
- Worked at **Tata Consultancy Services** Pune, as a **Software Developer** from Mar'16 to Dec'18.

Technical Skill Sets

- Programming Languages : Python 2.x/3.x
- Databases : Elasticsearch, SQL Server
- DevOps Tools : Docker, Kubernetes, Jenkins, Ansible, Terraform
- Cloud Platforms : GCP, VMware
- Monitoring Tools : Prometheus, Catchpoint, Sumologic, EFK Stack
- Visualization Tools : Grafana, Kibana, Google Data Studio
- Version Control System : Git, GitHub, BitBucket
- Operating Platforms : Linux (Ubuntu, Debian, CentOS), Windows
- Designing Tools : Pycharm, VScode, MobaXterm, GitBash, Putty
- Others : Apache Airflow, Slack, Snort, Nginx, Jira

Professional Summary

- Overall, **6 years** of experience with a demonstrated history of working in the IT industry.
- Around **4+ years** of experience in Python programming for application development, its enhancements, support and monitoring.
- Good understanding of software containerization platforms like **Docker** and container orchestration tool like **Kubernetes (K8s)**.
- Experience in developing CI-CD pipelines using **GitHub** and **Jenkins**.
- Well versed in provisioning infrastructure on cloud platforms using **Terraform** and **Ansible**.
- Good knowledge in analysing GCP cloud cost for all resources and available services using **BigQuery**, building queries to fetch the necessary details from table and visualize the same through **Data Studio** dashboard.

- Hands-on knowledge on performing disaster recovery strategy for standalone applications, jenkins, elasticsearch, VM data etc.
- Well versed in handling GCP APIs through python scripts to retrieve information for inventory usage, OS upgrade details across all projects and store the same into GCS bucket.
- Experience in implementing Google Cloud Functions along with Cloud Scheduler configuration.
- Extensive experience in continuous monitoring using APM tools like **Prometheus, Grafana, Catchpoint, Sumologic, EFK Stack** etc.
- Proficiency on operating systems such as distributions of **Linux, Windows** and compatible with all linux commands.
- Highly motivated, energetic team player, quick learner, flexible to work on multiple technologies and ability to deliver projects/assignments well within SLA.
- Excellent communication and interpersonal skills and having ability to interact with clients at all levels.

Project Details

Project Name	E & P DevOps Core - Tetration
Client	Cisco
Duration	Sept'20 – Till date
Technologies	Python, Docker, Jenkins, Terraform, GCP, Ansible, Prometheus, Linux
Responsibilities	• Provision GCP resources such as compute instance, VPC, network firewalls with terraform and deploy applications on newly created VM's using Ansible. • Develop and maintain CI-CD pipelines for code deployment using GitHub, Jenkins, Terraform etc. • Perform regular backups of jenkins, elasticsearch, application data and entire vm data in order to secure and restore customers information in case of any disaster happens. • Develop Ansible playbooks to install softwares on remote servers as well as on provisioned instances and trigger the same through jenkins pipeline. • Monitor elasticsearch and jenkins (jobs, nodes, pipelines) using Prometheus and Grafana. • Analyze cloud cost for all projects and services in GCP using BigQuery, build sql queries to filter the necessary information from the table and visualize the same through Data Studio dashboard. • Develop scripts to retrieve information from GCP APIs for all inventory resources such as allocated (CPU, memory, disk), OS upgrade details and store the same into cloud bucket in csv format. • Create various Cloud Functions to run certain scripts and configure the same with Cloud Scheduler in order to run it periodically. • Create docker based IDS/IPS tool – Snort for threats detection and prevention

Project Name	M & I Development
Client	AT&T
Duration	Dec'18 - Sept'20
Technologies	Python, Elasticsearch, Grafana, Kubernetes, Linux, Prometheus
Responsibilities	- Analyzed, reviewed, finalized the design on tools implementation and planned regular technical changes for upgradation. - Deployed applications using Helm charts on k8s cluster and integrated them with data scraping tools such as Elasticsearch and Prometheus. - Worked on automation scripts to notify end users about their deployment process in CI/CD pipelines using integration between Slack and logging tools such as Sumologic and EFK Stack. - Monitored and visualized health metrics and all application-based metrics such as Golden Signals using Grafana and Kibana. - Performed enhancements in tools and test them using unit test cases before deployment. Identified and resolved performance bottlenecks for a new application before it goes to production and build user guides for the same so that end user can handle it easily.

Project Name	Treasury & Cash Management
Client	Morgan Stanley
Duration	Mar'16 - Dec'18
Technologies	Python, SQL Server, Linux, Service Now, Git
Responsibilities	- Worked on automation scripts using Python to reduce daily manual efforts. - Analyzed data related issues raised by users, gathered technical evidence for resolution and provided proper resolution on Service Now requests raised by clients within SLA. - Monitored application log files, engaged in bug fixing in scripts and worked on error during failure of scheduled job using tools like Autosys, Leela etc. - Prepared documents for each enhancement made in the script on regular basis. - Responsible for managing the training sessions with business users and project team members to gather obligation.

Certifications

- Python Foundation & Python Intermediate
- Docker for the Beginner Hands On – DevOps
- Linux Foundation

Academic Details

Qualification	University/Board	Percentage/CGPA	Year of Passing
B.E. (Electrical & Power)	Amravati University	8.77	2015
H.S.C	MSB, Nagpur Division	87.33	2011
S.S.C	MSB, Nagpur Division	91.69	2009

Declaration

I hereby declare that information provided by me is true and to the best of my knowledge and I bear responsibility for correctness of the above-mentioned.