

# SHREYAS MAVLE

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## PERSONAL HIGHLIGHTS

5+ years of experience in Python development, developed scalable backend for enterprise applications using Python frameworks, worked with DevOps technologies, SQL database and AWS services extensively.

## SKILLS

- Python
- Rest APIs
- Kubernetes
- Web scraping
- Stackstorm
- AWS (Lambda, S3, EC2, API Gateway)
- Flask, Django, FastAPI
- Terraform
- Azure (Functions)
- SQL (Mysql, Oracle, PostgreSQL, SQLite)
- No SQL (MongoDB)
- Docker
- Git VCS, Github Actions

## EXPERIENCE

**CBNITS Pvt. Ltd., Remote** — *Python Developer / Automation Engineer*

November 2021 - Present

### Netskope

- Dove into Kubernetes to implement an open source replacement of Jfrog Artifactory for 100+ datacenters which will save the company about \$165,000/yr on annual licensing fees
- Picked up Python concurrency and StackStorm, a workflow automation framework, to improve the runtime of a large scale, periodic job from a week to ~20 hours
- Implemented monitoring for Kubernetes pods using Prometheus and Alertmanager
- Created automated workflows for repository configuration on Nexus
- Automated legacy VM upgrades using Stackstorm, a workflow automation framework
- Automated integration testing of VM provisioning, deprovisioning workflows using Pytest
- Automated Debian packaging of codebase & uploading to Artifactory

## **Cabot-AI Pvt. Ltd., Remote — *Python Developer***

December 2020 - November 2021

- Handled creating & maintaining REST APIs and backend web application development with FastAPI, Flask frameworks and database integration with Sqlalchemy ORM
- Dockerized and deployed application on AWS EC2 Linux servers and Azure VMs with Mysql RDS integration regularly
- Created multiple AWS Lambda & Azure APIs for remote monitoring, authentication, billing & control of application & deployed using API Gateway
- Automated several repetitive tasks like code compilation, remote file transfer using shell scripts to expedite application deployment
- Transformed codebase to scale application horizontally to handle increasing workload
- Managed code versioning of application with different customization for multiple clients

## **Larsen & Toubro Infotech (LTI), Pune — *Software Engineer***

August 2018 - November 2020

- Citi Risk Application development
  - Worked in creating end to end RESTful web services in Spring framework
  - Unit testing services and increasing code coverage of large codebase
- RegInsight Legacy LRR development
  - Worked in creating & maintaining REST API's and in backend web application development with Flask framework
  - Creating python scripts to automate tasks such as file comparison

## **Freelancing — *Backend Development***

- Created CI CD pipeline for Lambda APIs using Terraform & Github Actions
- Migrated NoSQL database to PostgreSQL in existing application to leverage data types for calculating Euclidean distances
- Rewrote APIs to support new relational database
- Worked on scaling of backend applications using docker containerization.

## **PERSONAL CERTIFICATIONS**

- OCAJP Java SE 8 (1Z0 808) certification

## **EDUCATION**

### **Bachelors in Engineering, Electronics & Telecommunication — (PVG's College of Engineering, Pune)**

June 2015 - June 2018