Pratik **Shivaraikar**

STAFF ENGINEER · OPEN SOURCE ENTHUSIAST

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"Knowledge is power."

Summary

Currently Staff Engineer at a product based company Lenovo. 6+ years of experience specializing in the backend development. Super nerd who loves Vim, Emacs and Linux and enjoys to customize all of the development environment. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools.

Skills

DevOps	Docker, Kubernetes, Terraform, Ansible, AWS, GCP
Back-end	Kafka, RabbitMQ, Flask, Express, Django, REST API
Front-end	Gatsby, Redux, React, jQuery, Javascript, HTML5, LESS, SASS
Programming	Go (Golang), Python, Node.js, PHP
Databases	MySQL, MongoDB, InfluxDB, PostgresSQL

Work Experience

Lenovo *Pune, India*
STAFF ENGINEER *Sep. 2021 - Present*

- Worked on supporting a Telemetry service that collects various resource consumption data from all the managed nodes via the Lenovo XClarity Management Hub in Lenovo XClarity Atlas
- Worked on implementing Capacity Analytics feature in Lenovo XClarity Atlas
- Worked on fetching and compiling SMART data of SATA and SAS HDDs and SSDs to detect and report various indicators of drive reliability with the intent of anticipating imminent hardware failures
- Working on integrating Schneider Electric's EcoStruxure IT Expert, a vendor-neutral cloud-based infrastructure management solution, with Lenovo XClarity Orchestrator
- Designed, built and provisioned a syncing mechanism to make sure that the Lenovo XClarity Orchestrator and the Schneider Electric's EcoStruxure IT Expert are always in consistent state.

Calsoft Inc. *Pune, India*
PRINCIPAL DEVELOPMENT ENGINEER *Jun. 2019 - Sep. 2021*

- Working on SDK and Terraform provider to utilize IaC (Infrastructure as Code) for managing various operations to manage a data-center.
- Designed, built and provisioned a metering micro-service that could forward events to multiple services using pub / sub solutions such as Kafka, RabbitMQ, etc. implemented in Go using container tool like Docker and orchestration tool such as Kubernetes.
- Built a data-forwarding micro-service that could forward data to various third-party services such as Splunk, SMTP, Syslog, SAP Data Hub, etc. using Python utilizing Docker container.
- Major contributor to a CLI application that automates provisioning and resource management from an OpenStack environment, such as Ansible or Puppet.
- Worked on SIEM tools like Splunk to collect, analyze and derive meaningful insights from events forwarded from various systems in a data-center

Quick Heal Technologies Ltd. *Pune, India*
SOFTWARE ENGINEER *Feb. 2018 - Jun. 2019*

- Worked on Shared Services of Licensing and Activation across all Quick Heal retail and enterprise products.
- Implemented RESTful API to push notifications to retail mobile products.
- Designed and implemented a multi-tenant Partner Portal for various vendors to generate and activate keys.
- Contributed to a major Product statistics portal that was used internally by key stakeholders to reflect-upon and to make major business decisions
- Designed and implemented a highly-performant Geo-location API to be used by all Quick Heal products thereby saving huge YoY expenditure on third-party services using Node.js and MongoDB.
- Carried out multiple POCs on Lucene, Galera clustering, High Availability for legacy MySQL clusters, System Designing, etc. and presented the same.

Wifi-Soft Solutions (now Indio networks)
Pune, India

SOFTWARE ENGINEER
Jun. 2015 - Feb. 2018

- Worked on Hotspot management products like WifiLAN, Unibox along with IoT Sensor management service called as Sensors in addition to a Partner Management Software called Kibo Partner Management (KPM)
- Implemented two products from scratch based on hardware and software
- Implemented a custom MVC based framework to support code migration to new technology stack
- Networking protocol integration and their management tools creation for end users to manage network based products.

Publications

Stories of a Polyglot
Personal Blog

WRITER
blog.pratikms.com

- Everyone has stories to tell. 'Stories of a Polyglot' is a pensive of my experiences of dealing with different technologies and my learnings from them.

Open Source For You
Technical Publication

AUTHOR
bit.ly/3qpMxCd

- Author at Open Source For You (OSFY) — one of Asia's biggest and most renowned tech publications focusing on open source technologies.

The Startup
Technical Publication

WRITER
medium.com/swlh

- Writer at The Startup — Medium's largest, most active, entrepreneurship publication with a huge following of more than +752K people.

Dev.to
Technical Publication

AUTHOR
dev.to/pratikms

- Author at Dev.to — a constructive, inclusive and open sourced publication for software developers

Hacker Noon
Technical Publication

AUTHOR
hackernoon.com/u/pratikms

- Author at Hacker Noon — a technology publication which focuses on reporting the latest news related to software development, startups, artificial intelligence, and cryptocurrencies.

Side Projects

Portfolio
Open Source Project

DEVELOPER AND MAINTAINER
github.com/pratikms/portfolio

- Developed and implemented personal portfolio website as an SPA
- Migrated implementation from React to Gatsby to achieve 2-3 times better performance

Blongo
Open Source Project

DEVELOPER AND MAINTAINER
github.com/pratikms/blongo

- Blog application developed in Django
- Used AWS services for various features

Gibber
Open Source Project

DEVELOPER AND MAINTAINER
github.com/pratikms/gibber

- Implemented a pure, serverless, fully-featured social networking application
- Used a variety of libraries and tools such as React, Redux, Express, Material-UI and Firebase.

Spacevader
Open Source Project

DEVELOPER AND MAINTAINER
github.com/pratikms/spacevader

- Implemented a space-invader game developed purely in Python
- Published the same on PyPi

Education

PES Modern College of Engineering, Pune University
Pune, India

BACHELOR OF ENGINEERING (B.E.) IN INFORMATION TECHNOLOGY
2011 - 2015

- Active member as student representative to Computer Society of India (CSI). Conducted many technical workshops to be industry-ready.
- General Secretary of the annual technical and cultural event M-Pulse

Extracurricular Activities

Lenovo ISG Hackathon   *Bangalore, India*
<small>MEMBER</small>   *Apr. 2022*
- Winner of Lenovo ISG Hackathon 2022.
- Implemented capacity analytics which utilizes historic resource consumption data and predicts future consumption which will help estimate billing and help in capacity planning
- Resource consumption data includes CPU, Memory and Storage consumption. Used Go for backend, Pandas for analytics and Prophet for prediction

Lenovo DCG Hackathon   *Bangalore, India*
<small>MEMBER</small>   *Oct. 2019*
- Implemented a network security prototype to secure customer's data center.
- Integrated various OSS such as Wazuh, Suricata, OSSEC, etc.

Quick Heal Ideathon   *Pune, India*
<small>MEMBER</small>   *Mar. 2019*
- Implemented a Docker Container Security product in 48-hours
- Product would scan all the containers from an enterprises' container registry and return CVEs of affected products