SHASHANK PANDEY

Portfolio | LinkedIn | +91 7892069893 | shashankp2022@gmail.com | GitHub

Skills

- Python | Golang | Flask | Django | PostgreSQL | Shell Scripts | Docker | Docker Compose | Ansible | Jenkins |
- Elasticsearch | Mongo | Git | Celery | Redis | REST API | Linux | OOP | Flutter | Dart
- CI/CD | Virtualization | Networking | Backend | English, Hindi – *All professional proficiency or above*

Experience

Team Lead **Xoriant** **07/2024 - Current**

- Led the design and development of **Container**-based **Device Connector Emulators** for Cisco UCS M7 standalone and Cisco UCS Fabric Interconnect devices.
- Developed a proof of concept (POC) for a **smart log triaging** solution using **Azure OpenAI** and **logreduce**. This solution significantly accelerated the manual log parsing process, enabling quicker identification of error causes.
- Developed a **CI/CD** automation pipeline using **Jenkins** and **OVA Automation Tool** to create dynamic builds, significantly accelerating development and testing processes.

Senior Software Engineer **Xoriant (Maplelabs)** **05/2023 - 06/2024**

- Led the design and development of the **Flask** based IMM Transition Tool, streamlining UCSM to Intersight transitions, resulting in a seamless migration process for countless users**.**
- Designed and developed the **Ansible + Packer** based OVA Automation Tool, achieving a >100% reduction in release cycle time, thereby expediting the availability of new software versions to customers.
- Spearheaded design decisions and led code reviews for the **Golang**-based DRR Estimator project for FlashBlade, seamlessly integrating advanced compression algorithms. My leadership ensured the development of highly efficient, easily maintainable, and scalable code, significantly boosting its performance.
- Actively contributed to code reviews and design discussions for the **Django**-based NX OS SANITY (TAAS) project, playing a key role in reducing high latency **API performance** issues by approximately **90%**, which improved test execution efficiency and reliability.
- Identified and resolved critical multithreading deadlock issues in three **Open-Source Python** repositories (ucsmsdk, ucscsdk, and imcsdk) by enhancing the synchronization logic, significantly enhancing the reliability during concurrent execution.
- Contributed to the **Open-Source Python** repository of boltdb by resolving a critical issue that prevented reading the data from the file, due to storing incorrect 'free-ids' in the DB file.

Software Engineer **Maplelabs** **07/2020 - 04/2023**

- Engineered a **Django**-based HxPreInstall Tool, enhancing pre-deployment planning for HyperFlex Clusters, significantly improving installation efficiency and user experience.
- Led the design and integration efforts for the **Golang** based Data Classification Application, focusing on **MongoDB** replica sets for enhanced database management and integrating **Apache Tika** for accurate content extraction, resulting in significant improvements to data integrity and classification precision.
- Successfully refactored over 20,000 lines of code of **Flask-**based IMM Transition Tool, boosting code efficiency, maintainability, and readability by a substantial margin.
- Implemented Bulk Push of objects using SDKs in critical systems, slashing processing time by 80% and significantly enhancing system performance.

Associate Software Engineer **Maplelabs** **07/2019 - 06/2020**

- Developed profiling support for Linux VMs using **Golang**, enabling comprehensive performance measurements across multiple vCenter/HyperV deployments, enhancing system diagnostics and resource management.

- Key contributor to the **Django + Elasticsearch** based HX Profiler tool, providing accurate estimations of compute, storage, and network usage for hosts and VMs, facilitating precise infrastructure sizing and optimization**.**
- Optimized the **Django**-based HxBench tool by introducing multiprocessing in **Python**, significantly reducing report generation time and improving operational efficiency.
- Designed and implemented a **Golang** testing module to simulate server load and generate detailed log files, improving server testing methodologies and diagnostic capabilities.

Education

Bachelor of Engineering — **Dr Ambedkar Institute Of Technology** *Bangalore, India* **08/2015 - 05/2019**

- Major in Computer Science

Others

- **Have received 4 excellence awards for my excellent work ethic and contribution to diverse projects.**