

SHASHANK PANDEY

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OBJECTIVE

Senior Backend Engineer with 5+ years of experience in Python, Golang, Flask, and Django, seeking full-time Software Development roles. Proven track record in designing and developing efficient applications, optimizing performance, and leading cross-functional teams to deliver high-quality software solutions. Extensive experience with CI/CD pipelines and containerization. Passionate about solving complex problems and contributing to impactful projects.

EDUCATION

Bachelor of Engineering , Dr Ambedkar Institute Of Technology
Major in Computer Science - 9.14 CGPA

2015 - 2019

SKILLS

Programming Languages	Python, Golang, Dart
Web Frameworks	Flask, Django
Databases	PostgreSQL, MongoDB, BoltDB, Elasticsearch
DevOps and Automation	Docker, Docker Compose, Ansible, Jenkins, Packer, Shell Scripts
Cloud Platforms	Openshift Container Platform, AWS
Operating Systems	Linux (Ubuntu, CentOS), Windows
Concepts	OOP, Virtualization, Networking, Backend Development, OAuth2 Authorization

EXPERIENCE

Team Lead Xoriant (Maplelabs)	Jul 2024 - Current <i>Bangalore, Karnataka</i>
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- Led the design and development of a **Django**-based price optimization tool, utilizing **OAuth2 authorization** and **GraphQL** queries to securely fetch data from Cisco's commerce website. This tool provided optimized pricing recommendations for servers with matching configurations, enhancing cost efficiency and competitiveness.
- Led the design and development of Device Connector Emulators for Cisco devices using containerization, **Networking, Golang, and Python**.
- 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.

Senior Software Engineer Xoriant (Maplelabs)	May 2023 - Jun 2024 <i>Bangalore, Karnataka</i>
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- Led the design and development of the **Flask**-based IMM Transition Tool, streamlining migrations between one server management tool to another, resulting in a seamless migration process for many users.
- 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%**, improving test execution efficiency and reliability.

Software Engineer Maplelabs	Aug 2020 - Apr 2023 <i>Bangalore, Karnataka</i>
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- Engineered a **Django**-based HxPreInstall Tool, enhancing pre-deployment planning for HyperFlex Clusters, significantly improving installation efficiency and user experience

- Contributed to 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.

Associate Software Engineer

Maplelabs

Jul 2019 - Jul 2020

Bangalore, Karnataka

- 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

PROJECTS/INITIATIVES

OVA Automation Tool: Designed and developed the **Ansible + Packer** based OVA Automation Tool, automating the entire process of creating an OVA from VM creation, OS installation, configuration, to final export. Achieved a 100% reduction in release cycle time, significantly expediting the availability of new software versions to customers.

CD Automation: Developed a CD automation pipeline using Jenkins and OVA Automation Tool to create dynamic builds, significantly accelerating development and testing processes.

Facial Recognition Login Mobile App: Created a Flutter mobile application enabling users to log in to their workplace using facial recognition. This app enhances security and convenience by integrating advanced biometric authentication, ensuring a seamless and secure user experience. You can find the code here [Clockwrk](#).

Open Source Contribution: 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. Also 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.

EXTRA-CURRICULAR ACTIVITIES

- Started writing [blog posts](#) about challenging problems I encountered during development.

AWARDS AND RECOGNITION

- Received 4 excellence awards for my excellent work ethic and contribution to diverse projects.