

Shreeram Vaidhyanathan

STAFF ENGINEER

shreeram.v@live.com | shreeram.us | iamshreeram

Summary

13 years of experience · Potential knowledge on Site Reliability Engineering, Observability, Performance Engineering and Service Virtualization · Experienced in DevOps tools · Interested in developing scalable Decentralized Applications · OSS Contributor ·

Experience

Walmart Labs

Bentonville, United States

STAFF ENGINEER

Jun. 2019 - Jan. 2024

- Reduced MTTR and MTTD, improving operational excellence
- Led a team to address tech debt issues within Walmart's systems and mitigated over 5000+ log4j vulnerabilities in just 2 months
- Optimized the backend and frontend of the Incident Portal, resulting in a 9x performance improvement
- Designed frameworks for data extraction and monitoring pipelines using Elasticsearch and Prometheus
- Addressed tech debt and vulnerabilities in over 100K repositories, resulting in the closure of 28K Jira tickets within a 6-month span

Wipro - Walmart Stores

Bentonville, United States

LEAD ENGINEER

Feb. 2015 - May 2019

- Modernized the existing Pangea system, improving order processing capacity by 6x during peak times
- Led the DevOps team, implemented CI/CD using Jenkins, Blue/Green deployment, and a feature toggle system for zero-downtime releases
- Built scripts and applications for database backup, data creation, log analysis, and environment setup
- Developed "app-mon" for real-time monitoring of Tomcat instances and "one point commander" for Slack-based load analysis

Wipro - ASDA, eIC Intg.

Bangalore, India

ASSOCIATE CONSULTANT

Jan. 2013 - Feb. 2015

- Engineered middlewares such as Tomcat and Order Management System with IBM messaging Queues/Brokers for higher throughput
- Developed a messaging framework for posting messages to any messaging queue to identify queue depth and max message length.
- Optimized read and write services of CONGO (Inventory Management System) from 400-500 ms to less than 50 ms

Wipro - Nike, Allstate

Chennai, India

PERFORMANCE ANALYST

Jul. 2011 - Dec. 2013

- Collaborated with a team to improve Citrix client and Web UI performance
- Developed PowerShell and batch tools to track bandwidth, analyze round-trip times, and identify latency changes
- Implemented various web UI optimization strategies using YSlow and CDNs, resulting in a 30 percent decrease in application load time
- Conducted performance analysis of the EDMS for uploading and storing large claims in an Oracle 11g database
- Utilized IP spoofing and memory optimization to resolve crashes and improve system efficiency

Skills

Lang Python, Golang, Rust, Javascript, Bash

DevOps Git, Jenkins, Travis CI, Docker, Kubernetes

Observability TICK, ELK, Appdynamics, Prometheus, Wireshark

UI/UX Bootstrap, Flutter, React

Talks

OPEN PROJECTS

Jun. 2019 **Prebinder - Won the Pandashack Hackathon - Python**, Microsoft - Hackathon

[Github](#) | [About](#)

Jul. 2018 **Jmeter Plugin for Slack Integration with Apps and Webhooks - Java**, Open Source

[Github](#) | [About](#)

May. 2018 **Executor Service for Operating System as Service - Java**, Open Source

[Github](#) | [About](#)

Jun. 2017 **Gender and Feature detection for Product suggestion - Python**, Walmart - Hackathon

[Github](#) | [About](#)

Mar. 2017 **Sentiment Analyzer for Trend Analysis - Python**, Open Source - Hackathon

[Github](#) | [About](#)

CONFERENCES

Apr. 2018 **Oogway server for service virtualization @Walmart**, Innovations, Bentonville

[Slides](#) | [About](#)

Mar. 2011 **Phishing detection using Genetic Algorithm @SASTRA**, IEEE INSPEC 11745362, India

[Slides](#) | [About](#)