# Shreeram Vaidhyanathan

Staff Engineer

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## Summary

13 years of experience · Potential knowledge on Site Reliablity 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 - Present*

- Designed and implemented solutions to enhance Site Reliability, Infrastructure Resilience, and Data Availability.
- Acted as product owner for Techdebt and SRE-Gate, successfully managing and reducing technical debt within the Walmart codebase.
- Spurred the development of the Incident Portal and WARN Gate, providing a comprehensive health view and gating the deployments on events.
- Drove multiple initiatives to enhance Opex, including F5 Observability, Splunk Optimization, SRE Grafana, SREBot, and Project Blue design.
- Actively participated in on-call rotation for store-based incidents and automated routine tasks to streamline operations.

**Wipro - Walmart Stores**                                                               *Bentonville, United States*

Lead Engineer                                                                            *Feb. 2015 - May 2019*

- Led and managed initiatives in Performance Engineering, Innovation, and Service Virtualization. (with onsite and offshore resources)
- Developed utilities for data creation, log analysis, database backup, instance availability check, and environment setup.
- Designed applications to track performance and user metrics in GIF system.
- Integrated ELK to monitor and receive notifications on the stats of Informix engine and other distributed systems.
- Contributed to open-source projects including app-mon, executor service, and slack-plugin-jmeter.

**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.
- Developed a messaging framework for posting messages to any messaging queue to identify queue depth and max message length.
- Implemented HP BAC monitoring solution to identify application outages and alert the support team, saving revenue.
- Monitored application cluster and suggested improvements for better TPS of Message Brokers.

**Wipro - Nike, Allstate**                                                               *Chennai, India*

Performance Analyst                                                                      *Jul. 2011 - Dec. 2013*

- Optimized web UI for NIKE Digital Commerce's sites using various performance analysis tools.
- Performanced Tuned HTTP over SOAP service for the Enterprise Document Management System.
- Monitored TIBCO instances, message TPS, and resource utilization using TIBCO Administration and TIBCO HAWK.

## Skills

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|---:|:---|
| **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*