SWATI SHARMA

AUTOMATION ENGINEER

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📍 Jersey City, 07310, United States

ABOUT ME

Professional software engineer with more than 3 years of background in developing automation and testing solutions to reduce hours of laborious work and enhance team productivity. Consistently recognized as adaptive, easy to collaborate with, and skilled team player.

EDUCATION

MASTER

Electrical & Computer Engg.
Illinois Institute of Technology
Aug 2016 - May 2018
GPA: 3.5

BACHELOR OF ENGINEERING

Electronics & Communication
Kurukshetra University
Aug 2011 - Jun 2015

SKILLS

// Languages
Python, Bash, SQL, HTML, CSS, C

// Python Tools
NumPy, OpenCV, Matplotlib, Pandas, requests, urllib3, SQLite, PostgreSQL

// Testing
Automation, Regression Testing, Manual Testing

// Other Tech Skills
Jenkins, Git, Gerrit, Jira, Docker, Selenium, Android/iOS testing, Humio

WEBSITES & SOCIAL LINKS

Linkedin:
linkedin.com/in/swati727

Portfolio:
swatisharma.me

GitHub:
github.com/swatisharma27

WORK EXPERIENCE

SENIOR PYTHON DEVELOPER
Contractor | Bloomberg | New York, NY | Jun 2021 – Present

• Saved hours of engineering time by automating numerous steps within the company's networking architecture, starting from **servers' migrations** to validation of **client-server connectivity**
• Developed automation to parse large batches of FIX agent config files received on **LINUX servers** and generate reports in a variety of forms
• Built in-house advanced comparison package that compares **FIX** agent files, and logs similarities and differences in detail
• Designed and developed deployable **health-check scripts** utilizing **multiprocessing** and time-based and size-based triggers with overridden **log-rotation policies** on various platforms
• Developed Python automation scripts that interact with the company's APIs with multiple **CRUD operations**
• Wrote various **Humio queries**, parsed real-time logs, defined alerts, and designed **dashboards** for monitoring the continuous connectivity of clients with the company's services

QA AUTOMATION ENGINEER
Age of Learning Inc. | Glendale, CA | Nov 2020 - May 2021

• Helped AofL deliver a reliable and bug-free digital learning experience to the users of **ABCmouse** by implementing quality **GUI regression testing**
• Developed test frameworks for application's features and functionality using the **Unity platform** and tested on **Android and iOS mobile devices**
• Involved in improving existing **test automation** coverage for better optimization of regression and decreasing analysis and triaging time
• Structured parameterized and non-parameterized **unit testing** scenarios for validating events-transitioning of the company's Unity application platform

AUTOMATION ENGINEER
Contractor | Intel Corporation | Hillsboro, OR | Jun 2019 - Nov 2020

• Identified critical defects and root causes within the internal structure of the leading edge next-gen **Smart-NIC LAN** driver, developed automation, and performed **white-box/pre-silicon validation** to ensure an efficient driver
• Wrote **automation test scripts** and **unit tests** for testing Linux network drivers based on manual procedures and feedback from validation testers
• Developed Python scripts to parse **XML files** containing IP/MAC addresses, concurrent automation host objects, and runtime test configuration
• Refined **test plans** and **test cases** to increase validation efficacy and uncovered key defects in drivers and automation framework

PYTHON DEVELOPER
Luminoguru Pvt. Ltd. | India | Jun 2015 - Jul 2016

• Developed Python scripts that log into websites to fetch desired data
• Managed **MySQL database,** and performed CRUD operations using Python