VIVIDH S VISWANATHA

Dedicated and competent professional with more than 7 years of experience in the field of software development and quality engineering.

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⚡ SKILLS

Java	Selenium
Python	Flask
Javascript	Django
HTML/CSS	Jenkins
Jquery	Amazon Web Services
MySQL	Linux/Unix
Postgresql	D3js
Git	Bootstrap
Selenium	Emberjs
Ansible	Fabric

🎓 EDUCATION

Master of Science in Software Engineering
George Mason University
GPA 3.46 | 2012 - 2013
Fairfax, Virginia

Bachelor of Engineering in Electronics & Communication
Visvesvaraya Technological University
GPA 3.52 | 2003 - 2007
SJB Institute of Technology, Bangalore, India

🏆 AWARDS

Peer Award
Showcased strong troubleshooting and problem solving skills and received "Peer award" in year 2011 at SAP Labs.

Vibrant Team Player
Great leadership and communication qualities, was awarded as a "Vibrant Team Player" in year 2010 at SAP Labs.

On the Spot Award for automating API tests at DrFirst in a short period.

💡 PERSONAL PROJECTS

Candoer | http://candoer.herokuapp.com
Python, Flask, Javascript, Jquery, Mongodb, Bootstrap
Search for various disease and view common medications and their chemical structure.

MarathonMR | http://marathon-mr.herokuapp.com
Python, Flask, Javascript, Jquery, Mongodb, SemanticUI, D3
Upload protein csv data to get heatmap visualization of protein.

💼 EXPERIENCE

Neustar | *July 2014 - Present*
Software Engineer II
- Designed Automation framework using Selenium, Cucumber for DDOS mitigation product with successfull launch.
- Automation framework to verify configuration pushed on to the Managed objects of Routers and network devices.
- Frontend and Server side Performance framework using Sitespeed and Gatling respectively.
- Developed performance test framework using Locust (Python open source tool) and integrated with Graphite, Influxdb and Graphana for metric visualization.
- Performance bottelnecks and optimization to achieve 2400 TPS for Ultraviolet product.
- Developed complete performance framework using Jmeter for REST API, which helped the Ultraviolet project reduce cost and avoid buying commercial performance testing software.
- Extended Jmeter by developing required functionally on Jmeter to support HTTPS client certificate switching.

DrFirst | *Feburary 2014 - July 2014*
Software Engineer
- Developed a tool using Java to analyze User Agent strings to analyze different browsers and operating systems used by DrFirst users.
- Web automation testing using DrAssit a framework developed around Fitnesse.

Verisign | *May 2013 - August 2013*
Software Engineer Intern
- Automation of UI testing and integration testing for AMP(Athena Management)
- Responsible for developing tests in Java (Selenium2) and Python for automating API integration tests. This helped to have an end to end test scenario.
- Automated email verification using JavaMail API thus helping save money and person hours wasted on manual email verification.

SAP Labs | *June 2007 - Janurary 2012*
Senior Software Engineer
- Moved the entire physical test infrastructure to virtual infrastructure using VMware thus reducing Total Cost of Operation which also helped in acquiring on demand test systems.
- Helped in increased number of showstopper bugs caught before shipment of support package.
- Developed SAP internal tools for Deployment automation.
- Researched and analyzed customer tickets to get demographic view of where the customers are finding bugs and thus help us in creating high quality test cases and catch these bugs before release to customers.
- Automated deployment and upgrade operations on development and test systems there by reducing the system down time during the work hours by 90% and also reducing the cost and effort in manual operations.
- Handled deployment operations on different SAP releases from 701 to 731 releases and reduced the deployment failures by 70%, thus providing developers and testers with good quality systems.