

# VIVIDH S VISWANATHA

Full Stack Developer, with more than 9 years of experience in software development and quality engineering. I love design, development and everything in between.



(516) 978-6362  
vividhsv@gmail.com  
http://vividhsv.com

## ⚡ SKILLS

python	kubernetes
go	flask
javascript/jquery	vuejs
html/css	jenkins
reactjs	amazon web services
mysql	linux/unix
postgreSQL	django
git	bootstrap
serverless	selenium
ansible	helm

## 🎓 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.

**Multiple On the Spot Award** for my efforts with with Neustar.

## 💡 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

### Secureworks | Dec 2018 - Present

Principal Software Engineer

- gRPC service using go and Protobuf for alerts and events services running on Kubernetes.

### Neustar | July 2014 - Dec 2018 (Tek Systems, Populus Group)

Software Engineer II

- Public facing REST service written in go, with JWT authentication using Auth0. Service behind AWS API Gateway and JWT validated using lambda authorizers.
- REST service on AWS Lambda and API Gateway using Serverless framework to provide Router configurations from Multiple Juniper devices. Cost savings using serverless.
- Web portal using Python, Flask, go and Mongo to help customer in WAF configuration on the Netscaler devices
- Setup CI/CD Pipeline on gitlab for many of the microservices running on Kubernetes.
- Developed performance framework using Locust (open source project) and integrated with Graphite, Influxdb and Grafana for metric visualization. This helped identify performance bottlenecks and optimization to achieve 2400TPS for Ultraviolet.
- Python automation framework for e2e automation on DDoS Mitigation Product.
- Extended Jmeter by developing required functionality on Jmeter to support HTTPS client certificate switching.

### DrFirst | February 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.

### Verisign | May 2013 - August 2013

Software Engineer Intern

- Automation and integration 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 - January 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..
- 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.