Vishal Gupta

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EDUCATION

RNS Institute of Technology Bengaluru, Karnataka
Bachelor of Engineering in Computer Science *Apr. 2013 – May 2017*

DAV Public School Bokaro, Jharkhand
12th PCM *Mar. 2011 – Mar 2013*

EXPERIENCE

Test Associate Senior Engineer(Python Automation) Oct 2018 – Present
SonicWall India Pvt Ltd *Bengaluru, Karnataka*

Email Security (Oct 2018 - Present)

- Designed and developed Python REST API automation framework, using unittest, built on the design of "Library Architecture Testing", with advantages of code reusability, scalability and low-cost maintenance.
- Worked on architecture and moving Email Security integrated server CASS(Comprehensive Anti Spam Service) from self-maintenance servers to AWS.
- Worked on performance analysis of Email Security product using IXIA traffic generator tool by taking time several parameters and identifying bottlenecks.

NSM: Network Security Manager (Feb 2020 - Nov 2020)

- Worked on REST-API Automation, Optimization of scripts and part of the framework development team developed on python. Provided ideas for optimizing the framework to reduce code.
- Automated multiple features using API from smoke to regression which helped the application to manage multiple firewalls at several location seamlessly.

Associate Software Engineer Mar. 2018 – Jun, 2018
Accenture Technology Pvt Ltd *Bengaluru, Karnataka*

- Developed prototype models on solution of Industrial IoT.
- Part of 15 selected engineers for the digital training team from India and got training on IoT technologies. Learned various technologies related to IoT.

TECHNICAL SKILLS

Languages: Python, SQL , HTML/CSS
Cloud: AWS(ec2, load-balancing, Network Configuration), Azure(Active Directory)
Tools: Perforce, Git, Wireshark, Swagger UI, Postman, IXIA, JIRA
Libraries: pandas, NumPy, Matplotlib
Protocols: UDP, TCP, IPV4, IPV6, HTTP, DHCP, SMTP, SNMP, IMAP, POP3, TLS, SSL, ICMP, LDAP, DNS, FTP

PROJECTS

Gitlytics | *Python, Flask, React, PostgreSQL, Docker*
- Developed a full-stack web application using with Flask serving a REST API
- Implemented GitHub OAuth to get data from user's repositories
- Visualized GitHub data to show collaboration

AWARDS AND CERTIFICATIONS

* Awarded for "2019-Key-Contributor(Email Security)" at Sonicwall Technology Systems, Bengaluru, India.
* National Programme on Technology Enhanced Learning (NPTEL) online certification in "Information Security -3" by Indian Institute of Technology-Madras. (an initiative by Ministry of Human Resources and Development (MHRD), India).
* Participated in the "Game Development Workshop" held at the Indian Institute of Science.