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| Summary | * Software Developer with Extensive Networking Experience. * Extensive Experience in Python 3, JSON, HTML, CSS and RegEx through major projects * Experienced in C, C++ through minor projects * Hands on experience with SonicWALL TZ and NSA series, SonicWALL ES series, Cisco routers, switches and network simulators such as GNS3 and Packet Tracers * In-depth knowledge of Layer 2, Layer 3 and Layer 4 networking, SSL Applications and Firewall Features |
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| Experience |  |
| 1. | Software Development Engineer |
|  | ***SonicWALL Inc. (June-2015 – Present)*** |
| SonicOS | Back End: C  Front End: HTML, CSS, Angular JS  Server: Linux Cavium  Version Control: Perforce, Git  Management: JIRA (Task Control), Confluence (Documentation)  Description: The main objective is to develop SonicWALL proprietary features such as Algorithm Optimization to increase DPI-SSL Connection Capacity, Address Range Blocking Feature, FTP Support for Logging, DNS Security and so on. Further fix bugs on specific requests from Customers.  Models Supported: SonicWALL Gen 6 Models of TZ Series and NSA Series |
| SonicOS API | Back End: Python  Version Control: Git  Management: JIRA (Task Control), Confluence (Documentation)  Description: The main objective is to provide framework on which Automation scripts of SonicWALL Email Security Products can be run. Test Case Count was about 15000  Models Supported: SonicWALL ES Series |
| DRP Tracker Tool | Back End: Python 3.6, Node JS, Cassandra  Front End: HTML, CSS,Vue JS  Server: Ubuntu 18.04 LTS, Apache  Version Control: Git  Management: JIRA (Task Control), Confluence (Documentation)  Description: The main objective is to form a RESTful API to invoke various networking features of SonicWALLs so that customers can configure enterprise level rules and policies through code loops.  Models Supported: SonicWALL TZ Series and NSA Series running on SonicOS 6.2.7.X and above |
| TSR Analysis Tool | Back End: Python 3.6, Node JS, Mongo DB  Front End: HTML, CSS, Angular JS  Server: Ubuntu 18.04 LTS, Apache  Version Control: Perforce, Git  Management: JIRA (Task Control), Confluence (Documentation)  Description: The main objective of the tool is to parse a TSR log file and display sections of interest to TAC team as well as other teams. This makes analysis of various parameters during troubleshooting much easier.  Models Supported: SonicWALL TZ Series and NSA Series running on SonicOS 6.2.7.X and above |
| EXP Viewer | Back End: Python 3.6, Node JS, Mongo DB  Front End: HTML, CSS, Vue JS  Server: Ubuntu 18.04 LTS, Apache  Version Control: Git  Management: JIRA (Task Control), Confluence (Documentation)  Description: The main objective is to host EXP Viewer as a web service, where end users can upload an SonicWALL EXP file and view the settings in a UI similar to UTM Management UI  Models Supported: SonicWALL TZ Series and NSA Series running on SonicOS 6.2.7.X and above |
| Migration Tool | Back End: Perl, Mongo DB  Front End: HTML, CSS, CGI, JS  Server: Ubuntu 18.04 LTS, Apache  Version Control: Git  Management: JIRA (Task Control), Confluence (Documentation)  Description: The main objective is to provide Web Platform for customers of other vendors namely, Cisco, Check Point, Juniper, Fortinet, Palo Alto, WatchGuard and Sophos to migrate easily to SonicWALL by converting their settings to SonicWALL format and forming an encrypted EXP that can be used to import all old settings into their new SonicWALLs.  Models Supported: SonicWALL TZ, NSA and Supermassive Series running on SonicOS 6.2.7.X and above  URL: https://migratetool.global.sonicwall.com |
| Email Security | Back End: Python, Sonic Auto  Version Control: Perforce  Management: JIRA (Task Control), Confluence (Documentation)  Description: The main objective is to provide framework on which Automation scripts of SonicWALL Email Security Products can be run. Test Case Count was about 15000  Models Supported: SonicWALL ES Series |
| More Tasks | * Facilitated problem diagnosis and prompt resolution for issues reported by customers. * Collaborated with other Engineers on code reviews, test case reviews and process enhancements. * Developed and Tested SonicOS API - API to invoke various networking features of SonicWALLs * Provided Technical assistance in deploying SonicWALL TZ and NSA series Firewalls * Extensive Experience in Layer 2 Networking (VLAN, VTP, 802.1q, SDP, Framing), Layer 3 Networking (Routing, Policy Based Routing, Addressing, IPSec, ARP, IGMP), Layer 4 Networking (TCP, UDP, ESP, AH, ISAKMP) * Extensive Experience in Layer 7 Networking (DHCP, DNS, HTTP/S, FTP, LDAP, RADIUS, SSO, SMTP) and Firewall Features (Content Filtering, Application Control, Anti-Virus, Anti-Phishing, DHA Protection, Failover and Load Balancing) |
| 2. | Assistant Networking Trainer (Internship) |
|  | *IBNC, ACM* ***(January 2015)*** |
|  | * OSI and TCP/IP Models, Networking Devices, IPv4 Addressing and Sub netting. * Routing concepts and Protocols – RIP, RIPv2, EIGRP and OSPF * Switching and VLAN basics * Inter VLAN Routing, VTP and its modes, Port Fast. * Access Lists, NAT, PAT and their implementation. |
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| Education | Bachelor of Engineering in Computer Science from Visvesvaraya Technological University.  2011 - 2015 |

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| Skills |  |
| *Back-End* | Python3, C, C++ |
| *Front-End* | HTML, CSS |
| *Operating Systems* | Windows, Ubuntu |
| *Source Control* | Git, Perforce |
| *Networking* | Layers – 2,3,4,7, Firewall, SSL and Security |
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| Certifications | * Certified SonicWALL Security Administrator *(CSSA - License # 54A9-2099-DE5E-4B52)* * Certified Cisco Networking Associate *(CCNA - Course Completed)* * Certified White Hat Hacker *(CWHH – Certified till Level 2)* |
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| Personal Projects |  |
| *SonicWALL Lab Portal* | Environment: HTML, CSS, PHP, MySQL, Windows  Description: Designed a Website for Dell SonicWALL Lab that shows availability of various Networking Devices and Servers available in SonicWALL Asia Pacific Region |
| *Network Designing* | Environment: GNS3, Putty, Cisco Packet Tracer, Routers and Switches  Description: Designed Networks for Campus Area Network, Company’s Infrastructure, Hospital Network, 3Layer Hierarchical model of Cisco in GNS and Putty. |
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| Research Papers | * Research Paper published on “Interfacing Automobiles with Smartphones” in National Conference on Green Computing Technologies(NCGCT), IJRET 2015, ISBN: 978-93-84935-31-3, IF:2.375, IC Value: 6.53 * Research Paper published on “Detection of HTTP Based Botnets with Network Analyzers using Classifiers and Domain Name Filters” in International Conference on Engineering, Science, Management and Advances in Research Technology, IJERT-2015, ISSN: 2278-0181 ID: ICESMART-CSE-082, IF: 1.76 |
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| Achievements | * Won Q3 FY'16 Dell SonicWALL Quarterly OSAT and NPS Championship Award * Won IBNC (Networking Championship) at Zonal Level conducted by Association for Computer Machinery (ACM) and IIT, Delhi. |