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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 | Software Development Engineer |
| June-2015 – Present | *SonicWALL Inc.* |
|  | * Designed and Developed SonicOS firmware tools for version 6.2.7.X and higher. * Facilitated problem diagnosis and prompt resolution for issues reported by customers. * Collaborated with other Engineers on code reviews, test case reviews and process enhancements. * Designed, Developed and Tested TSR Analysis Tool to present Logs and Reports of Firewalls in human readable format through a Web Portal. * Designed, Developed and Tested EXP Viewer to decode MD5 encoded EXP Settings files of SonicWALL * Developed and Tested SonicOS API - API to invoke various networking features of SonicWALLs * Provided technical assistance in formation of Migration Tool for exporting of settings from third-party vendors to SonicWALL * Environment for the Projects: Python 3.6, C, JSON, HTML, CSS, Node JS, Git, JIRA, Confluence * Developed Automation Framework for SonicWALL Email Security OS Testing * Designed, Developed and Tested SonicWALL Lab Portal to monitor Networking Devices that are available and online * 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) |
| January 2015 | Assistant Networking Trainer (Internship) |
|  | *IBNC, ACM* |
|  | * 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. |