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| Summary |  |
|  | * Software Developer with Extensive Networking Experience. * Extensive Experienced in C, C++ through OS Development for Firewalls * Extensive Experience in Python 3, JSON, HTML, CSS and Regular Expressions through major projects * In-depth knowledge of Layer 2, Layer 3 and Layer 4 networking, SSL Applications and Firewall Features * Hands on experience with SonicWALL TZ and NSA series, SonicWALL ES series, Cisco   Routers, Switches, Dell TZ-X Switches and network simulators such as GNS3 and Packet Tracers |
| Experience |  |
| 1. | **Software Development Engineer** |
|  | ***SonicWall Inc.*** *(June-2015 – Present)* |
| *SonicWall Switches* | * Provide an OS based solution to integrate SonicWall Switches into SonicWall Firewalls to enable customers manage the entire network from one UI. * Developed a protocol to auto discover SonicWall Switches connected to Firewalls. * Integrated various L2 functionalities such as LLDP, 802.1x, 802.1p, RADIUS authentication, Storm Control, STP, MSTP, RSTP and so on * Environment: C, JS, HTML, REST API, Perforce (Version Control), JIRA & Confluence (Task Control), Ubuntu |
| *SonicOS* | * Stabilize Wire Mode module of SonicOS to enable users connect to NICs with IPs in same subnet. * Resolved Bugs in Log Monitor and Syslog Analyzer modules. * Environment: C, C++, JS, HTML, REST API, Perforce (Version Control), JIRA & Confluence (Task Control), Ubuntu |
| *SonicOS API* | * Provide a framework on which SonicOS API is used to invoke various functionalities of Firewalls for Third-Party Vendors such as Firemon and Sentinel. * Environment: Python3.6, Git (Version Control), JIRA & Confluence (Task Control), Ubuntu |
| *TSR Analysis Tool* | * Developed a tool 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. * Environment: Python3.6, MongoDB, Git (Version Control), JIRA & Confluence (Task Control) |
| *EXP Viewer* | * Hosted 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 * Environment: Python3.6, Git (Version Control), JIRA & Confluence (Task Control) |
| *Migration Tool* | * Developed a 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 new SonicWALL EXP format that can be used to import all old settings into their new SonicWALLs. * Environment: Perl, MongoDB, Git (Version Control), JIRA & Confluence (Task Control) * Models Supported: SonicWALL TZ, NSA and Supermassive Series running on SonicOS   6.2.7.X and above   * URL: [https://migratetool.global.sonicwall.com](https://migratetool.global.sonicwall.com/) |
| *Email Security* | * Developed a framework on which Automation scripts of SonicWALL Email Security Products can be run. Test Case Count was about 15000 * Environment: Python3.6, Git (Version Control), JIRA & Confluence (Task Control) |

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| 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. * 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 & Switching concepts * Inter VLAN Routing, VTP and its modes, Port Fast. * Access Lists, NAT, PAT and their implementation. |
| Education | **Bachelor of Engineering in Computer Science from Visvesvaraya Technological University. 2011 – 2015** |
| Skills |  |
| *Back-End* | C, C++, Python3 |
| *Front-End* | HTML, CSS, JS |
| *Operating Systems* | Windows, Ubuntu |
| *Source/Task Control* | Git, Perforce, JIRA, Confluence |
| *Networking* | Layers – 2,3,4,7, Firewall, SSL and Security |
| 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)* |
| Personal Projects |  |
| *SonicWALL Lab*  *Portal* | * Designed a Website for Dell SonicWALL Lab that shows availability of various Networking Devices and Servers available in SonicWALL Asia Pacific Region * Environment: HTML, CSS, PHP, MySQL, Windows |
| *Network Designing* | * Designed Networks for Campus Area Network, Company’s Infrastructure, Hospital   Network, 3Layer Hierarchical model of Cisco in GNS and Putty.   * Environment: GNS3, Putty, Cisco Packet Tracer, Routers and Switches |
| 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 |
| Achievements | * Awarded and recognized as Outstanding Contributor for Q1, 2019. * Awarded and recognized as Key Contributor for 2018. * 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. |