RAVI KUMAR REDDY K

+91-7411340221

ravikumark815@gmail.com

#39, 19th Cross, RM Nagar,

Bengaluru, India

|  |  |
| --- | --- |
|  |  |
| Summary | * Software Developer with Extensive Networking Experience. * Extensive Experience in C, C++ and Python 3 through backend Development * 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, Layer 4 and Layer 7 networking, SSL Applications and Firewall Features |
|  |  |
| Experience |  |
| 1. | Software Development Engineer |
|  | ***SonicWALL Inc. (June-2015 – Present)*** |
| *SonicOS* | Developed Address Range Blocking Feature, FTP Support for Logging, DNS Security and so on for Firmware running on SonicWALLs. Further fixed several issues Log Monitor, Syslog Monitoring, FTP Logging, TSR Export and so on in SonicOS. |
| *SonicOS API* | To form a RESTful API that invokes various networking features of SonicWALLs so that customers can configure enterprise level rules and policies through code. |
| *DRP Tracker Tool* | This tool is used to decode the stack trace present in diagnostic reboot packets of SonicWALLs. |
| *TSR Analysis Tool* | The main objective of the TSR Analysis 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. |
| *EXP Viewer* | 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 |
| *Migration Tool* | 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.  URL: <https://migratetool.global.sonicwall.com> |
| *Email Security* | 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 |
| *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 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. |
| Education | Bachelor of Engineering in Computer Science from Visvesvaraya Technological University.  *2011 – 2015,*  *CGPA: 7.3/10* |
|  |  |
| Technical Skills |  |
| *Back-End* | C, C++, Python3 |
| *Front-End* | HTML, CSS, JavaScript |
| *Operating Systems* | Windows, Ubuntu |
| *Source Control* | Git, Perforce |
| *Networking* | Layers – 2,3,4,7, Firewalls, 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)* |
|  |  |
| Awards and Honors | * SonicWALL 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. * SonicWALL University – Achieve More Tier (Oct 2018) |
|  |  |
| 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. |
|  |  |
| Papers and Journals | * 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 |
|  |  |
| Online Dossier | * LinkedIn: [linkedin.com/in/ravikumark815](https://www.linkedin.com/in/ravikumark815) * GitHub: github.com/ravikumark815 * HackerRank: [hackerrank.com/ravikumark815](https://www.hackerrank.com/ravikumark815) |