RAVI KUMAR REDDY K

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| **SUMMARY** | * Software Developer and Solution Consultant with extensive experience in developing System software, Network Applications and Tools for Switches and Firewalls for 5+ years. * In-depth knowledge of Layer 2, Layer 3, Layer 4 and Layer 7 networking, SSL Applications and Firewall Features. * Hands-on experience in design, configuration and troubleshooting of firewalls, routers, switches and email security appliances of different vendors including SonicWall, Cisco, Fortinet, Palo Alto and Juniper Networks. |
| **SKILLS** |  |
| Languages | C, C++, Python3, JavaScript, HTML, Bash |
| Web Technologies | HTML, CSS, REST, JSON, XML, Regular Expressions |
| Tools | VMware vSphere 6.5, Linux, Windows, Agile, Jira, Confluence, Git, Perforce |
| Networking | Layers – 2,3,4,7, TCP/IP, NAT, IPTables, Policy Based Routing, Content Filtering, High Availability, SSL and so on |
| **EXPERIENCE** | **RED PIRANHA** |
|  | **Software Development Engineer (May 2020 – Present | 2 Months)** |
| Crystal Eye | * Developed various features for SSLVPN Module (OpenVPN) such as LDAP Integration, Static IP setups, SSL Perceive and Bump and so on in Linux based Virtual Firewalls. * Designed system specification for various features of SSLVPN. * Collaborated with colleagues on code reviews via Git, test cases, documentation and general process enhancements. |
|  | **SONICWALL INC.** |
|  | **Software Development Engineer (June 2015 – April 2020 | 4 Y 11 Months)** |
| SonicOS | * Developed an integration solution for SonicOS, operating system running on firewalls, to integrate and manage SonicWall Switches with Firewalls, thereby, giving granular control to monitor every end-user through a single management interface with ease. * Resolved several issues with Wire Mode Interfaces, Log Monitor, Syslog Monitoring, FTP Logging, TSR Export and so on in SonicOS * Developed CLI and API interfaces to configure Flow Reporting, ARP Storm Limit, SonicWall Switch Integration and AWS Integration from Firewalls. |
| Log Analyzers | Designed and Developed various web applications such as TSR Analysis Tool, EXP Viewer in Python 3.7, that parses various sections of log files using Regular Expressions and display output in a human-readable format. |
| 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 EXP format that can be used to import all old settings into their new SonicWALLs. *URL:* [*https://migratetool.global.sonicwall.com*](https://migratetool.global.sonicwall.com/) |
| Lab Portal | Designed and Developed a web portal for Dell SonicWall Lab using HTML, CSS and JS that shows availability of various Networking Devices and Servers available in SonicWall Asia Pacific Region |
| Responsibilities | * Collaborated with other Engineers on code reviews, test case reviews and process enhancements. Facilitated problem diagnosis and prompt resolution for issues reported by customers. * Extensive experience in replicating customer environments including Virtualization(vSphere), LAN Bridges, SSL applications, RADIUS, Content Filtering, Load Balancing, VLAN, 802.1x, STP, Routing, VPN and so on to resolve issues in firewalls. |
| **EDUCATION** | **Bachelor of Engineering in Computer Science & Engineering from Visvesvaraya Technological University.**  ***2011 – 2015, CGPA: 7.3/10, accredited by World Education Services, Toronto, ON*** |
| **CERTIFICATIONS** | * Crystal Certified Network Engineer *(Red Piranha – April 2020)* * SonicWall Technical Master *(STM – March 2020)* * SonicWall Network Security Administrator *(SNSA – License # bd75d8d8051084bcbcf26328e7caff60)* * 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)* |
| **ACHIEVEMENTS** | * Completed all Technical Tiers in SonicWall University FY’21 * SonicWall Outstanding Contributor for Q4 FY 2019 * SonicWall Key Contributor for FY 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). |
| **RESEARCH**  **PAPERS** | * “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, 2015, ISBN: 2278-0181, IF: 1.76 * “Interfacing Automobiles with Smartphones” in National Conference on Green Computing Technologies (NCGCT), IJRET 2015, ISBN: 978-93-84935-31-3, IF:2.375 |