RAVI KUMAR REDDY K

• +1-647-697-0538 • [ravikumark815@gmail.com](mailto:ravikumark815@gmail.com) • linkedin.com/in/ravikumark815 •

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| SUMMARY | * Software Developer and Solution Consultant with extensive experience in developing System software, Network Applications and Tools. * 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. * Focused on creating a collaborative effort between Support, QA and Engineering teams to implement system- level changes to benefit end-users. |
| SKILLS |  |
| *Programming* | C, C++, Python3, JavaScript |
| *Web Technologies* | HTML, CSS, REST, JSON, XML, Regular Expressions |
| *Operating Systems* | Windows, Ubuntu |
| *Source Control* | Git, Perforce |
| *Networking* | Layers – 2,3,4,7, Application Firewall, Content Filtering, High Availability, SD-WAN, SSL |
| *Database* | MySQL |
| *Task Management* | JIRA, Confluence, Office365, Google Docs |
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| EXPERIENCE | SONICWALL INC. |
|  | Software Development Engineer (June-2015 – Present) |
| *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 and block if necessary, by configuring a single management interface with ease. * Resolved several issues with Interface Wire Mode, 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, Switch Integration, AWS Integration from Firewalls. |
| *TSR Analysis Tool* | Designed and Developed a web application in Python 3.7, that parses various sections of a TSR log file using Regular Expressions and displays sections of interest to the TAC team in a human-readable format. This makes analysis of various configurations during troubleshooting much easier. |
| *EXP Viewer* | Developed a web application in Python 3.6 that parses various sections of an uploaded EXP Configuration file using String manipulation and Regular Expressions and renders the settings in a UI resembling UTM Management UI. |
| *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/) |
| *Email Security* | Developed a framework in Python on which Test Automation scripts of SonicWall Email Security Products can be run. |
| *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. * Deployed Networking Solutions including ARP, VLAN, VTP, 802.1x, STP, LLDP, Routing, VPN, IGMP, TCP, UDP, ISAKMP and so on in various customer and production environments * Extensive Experience designing and deploying in Layer 7 Networking solutions such as DHCP, IP Helper, DNS, HTTP/S, FTP, LDAP, RADIUS, SSO, SMTP, SSL Certificates, WLAN and so on. * Configured Firewall Features such as WAN Failover Load Balancing, AWS Integration, Content Filtering, Application Control, Bandwidth Management, QoS, and so on in production environments. |

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| EDUCATION | Bachelor of Engineering in Computer Science & Engineering from Visvesvaraya Technological University.  *2011 – 2015, CGPA: 7.3/10*  *(Equivalent to Bachelor’s in Computer Science, as determined by World Education Services, Toronto, ON)* |
| CERTIFICATIONS | * 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 | * 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) and IIT, Delhi. * SonicWall University – Achieve More Tier (Oct 2018) |
| 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 |
| ONLINE DOSSIER | * LinkedIn: linkedin.com/in/ravikumark815 * Github: github.com/ravikumark815 * Hackerrank: hackerrank.com/ravikumark815 |