**Sujalkumar Desai**

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**OBJECTIVE:**

* **3+ years** of experience in Cisco/Juniper Networking, Security which includes designing, Deployment and providing network support, installation and analysis for a broad range of LAN / WAN protocols.
* Design and Implement Cisco wireless network. Troubleshoot RF WLAN system networks.
* Worked extensively in Configuring, Monitoring and Troubleshooting Cisco’s Routers, Switches and Protocols.
* Good knowledge of using Microsoft Office and macOS as technical documentation and presentation tools.
* Extensive understanding of Layer 2 and Layer 3 technologies.
* Network Engineer experience in designing, implementation, configuration of Cisco Routers, Switches and Firewalls, troubleshooting & fine-tuning of Firewalls, VPN configuration, troubleshooting network related problems in Enterprise& Data Center Networks and productive network Improvement
* Hands-on experience in providing network support, installation and analysis for a broad range of LAN/WAN/MAN   
  communication systems.

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| **EDUCATION:** |  |
| · **Northwestern Polytechnic University, California** | **Sept 2015-April 2017** |
| Master of Science in Electrical Engineering |  |
| · **Gujarat Technological University, India** | **June 2014** |
| Bachelor’s degree in Electronics and Communication Engineering |  |

**COURSEWORK:**

* **Network analysis and testing**, **Computer networks and internet**, **Data Communication and Networking**,Advanced Digital Communication, **Wireless Communication**, Computer system architecture, **Optical Fiber**, System analysis and desig, System performance analysis, Microprocessor, Microcontroller, Internet Routing Policies, VPN Technologies

**TECHNICAL SKILLS:**

* **Hardware:** Switches and Routers, Atmel Series, Arduino, NodeMCU, 8051, Adva FSP 150-GE100Pro Series,
* **Protocols:** TCP/IP(IPv4/IPv6), DHCP, DNS, SMTP, POP3, NAT, VLAN, RDP, UDP, ARP, OSPF, VoIP, SSL, VPN,802.11 Wireless, HTTP, HTTPS, FTP, ICMP, BGP
* **EMC** Design, EMC Troubleshooting and EMC Standards such as EN 55022/ EN 55024, EN61000-4-x and DO-160/ML 461 and Working experience with circuit simulation and design tools
* **RF** Testing various standards such as FCC Part 15C, RSS 210, EN 300/328/300/440, products covering WLAN, BT, Point to point fixed radio, GSM/UMTS/ LTE ( 2G, 3G, 4G) and other RF/wireless communication products.
* Comprehensive knowledge of Network Analyzer, WLAN technology, and telecommunication protocols.
* Familiarity with CDMA, W-CDMA, Wi-Fi, EVM and WiMax
* Worked on Cisco ASR 1k/9k series routers, MPLS and NCS series Routers,

**SOFTWARE PROFICIENCY:**

* **Operating System**: Windows 98/XP/Vista/7/8/10, Linux, Unix, macOS
* **Programming Language**: C , C++ , Assembly Language
* **Software**: OP-net, Riverbed, MATLAB, PSpice , Keil µVision, MS Office, VMware, Python, Verilog, PuTTy

**WORK EXPERIENCE:**

* **SYNNEX Corporation,(Hyve Solutions- Network Technician and Server Testing),CA June 2017 - Present**
* Installation , Configuration and Troubleshooting on Switches, Hubs and Routers.
* Remote support for SSH, TELNET and Rlogin using Putty.
* Handling Power-Draw Department and checking all FDU units
* Working on Network Configuration and Installation
* Working on Different Layers of Ethernet Standardization
* Server Assemble and Switch Configuration
* **Cyberoam, Ahmedabad, Gujarat, INDIA** **Dec 2013 - July 2014**

**Designation: Network Support Engineer**

* Promt technical support to customers on routers and switches.
* Co-ordinated with engineering teams on operational system expansion.
* Provided technical assistance to third-party and client operational staff.
* Assisted the Network Administrator with ongoing preventative maintenance of workstations on the network.
* Assisted in ensuring systems were being used in accordance with the MSU network.
* Conducted daily backups of network files and test on a regular basis.
* Wired as well as wireless connectivity network establishment using D-Link Routers*.*

· **National Group (NG-IITM), INDIA**  **July 2014 - June 2015**

**Designation: Network Security Engineer**

* Researched problems as they aroused to find potential solutions to undocumented system errors and problems.
* Helped organizing and implement the help desk as directed by the Director of Internal Information Systems.
* Setting configuration of LAN with a server.
* Initiate virus detection policies and procedures.
* Solve network and system related issues as they arise.
* Coordinate maintenance of computers, printers and other hardware with vendors.

**ACADEMIC PROJECTS:**

**Northwestern Polytechnic University, California December 2016**

**Smart Stuff Shopping using Arduino and NodeMCU**

* Order Regular predetermined stuff directly by pressing buttons and it will order online. It has more than one button so easy to put in pantry room.
* We can order different products on different website.

**Technologies used:** Arduino, NodeMCU.

**Northwestern Polytechnic University, California December 2015**

**Evaluate the performance of the MAC layer protocol in IEEE 802.11**

* Evaluating the performance by setting up two scenarios of 4 wireless node and 20 wireless node
* Comparing the results to see which gives better performance
* Project was implemented and results were evaluated using Riverbed

**Gujarat Technological University, India** **Aug 2013 -May 2014**

**Industrial and Home Automation System**

* It reduces the human efforts or human interaction and thus it can work independently as an automated circuit.

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| **Gujarat Technological University, India**  **Smoke Detector** |  |

* We can control, monitor and sensing factors like pressure, temperature, voltage, current, etc. **Technologies used**: Microcontroller 8051, GSM-SIM 300
* It involved designing of a circuit using a photodiode and an IC1 NE 555.
* The circuit was successfully implemented along with Buzzer which turns on automatically in the event of smoke detection. This device plays an important role to forestall accidents and hazards.

**TRAININGS, ACHIEVEMENTS AND EXTRA-CURRICULARS:**

* Co-ordinated as well as Participated in a Workshop on LINUX Operating System organized by "IIT Bombay
* Participated in “Ethical Hacking Workshop” by "IIT Kharagpur" and Information Security Council of India
* Participated in “PCB Design Workshop” conducted by Resonant Technologies, Surat .
* I have led and organized a Robotics event in “Sci-clone 2010/11/12” - National Level Technical fest in CGPIT.
* Appointed as a sports secretary of the college for 4 years. (2010-2013).Represented the college in 6 different sports in various inter-college, inter-university and inter-zone tournaments.