Ralph Edward Ramirez

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Summary of Qualifications

- Twenty-two years of experience in the installation, test and turn-up, implementation, maintenance, and repair of a wide variety of network equipment in both LAN and WAN environments
- Strong understanding of Local Area Network and Wide Area Network management
- Trained in troubleshooting Networks in a Cisco IP environment
- Extensive experience in both Outside Plant and Inside Plant facilities and characteristics
- Awarded Cisco Certified Network Associate from California Institute of Applied Technology
- Certified in Internet Protocol Network Essentials in preparation for CCNA certification
- Proficient in Macintosh and Windows environments
- Certified Graphic Designer
- Proficient in Microsoft Office (Word, Excel, PowerPoint, Outlook)
- Knowledgeable in various coding languages including Dart, Java, JavaScript, C, C++, and PHP

Education

- **Computer Science, Bachelor of Science Degree Candidate**   Anticipated Completion: **2026**
  California State University, Northridge
- **Computer Science, Associates Degree**   **2021**
  College of the Canyons, Valencia
  Phi Theta Kappa Honor Society

Certifications

- **Cisco Certified Network Associate**   **2024**
  California Institute of Applied Technology, National City
- **IP Network Essentials Certification (Cisco CCNA Training)**   **2018**
  APT College, Carlsbad
- **Graphic Design Certification**   **2001**
  University of California, Riverside

Professional Experience

Networking Experience:

- Implemented and maintained various networks such as LANs, WANs, WLANs, and PANs.
- Knowledgeable in both logical and physical network topologies used in modern-day networks
- Trained and experienced in understanding and implementing the Open Systems Interconnection (OSI) model
- Input and configuration of IP addresses for network equipment including test laptop and network equipment
- Partnered with various team members in the management and coordination of network resources such as available ports, cable counts/pairs, IP addresses, and subnets
- Experienced in command-line interface (CLI) programming for a variety of network equipment
- Certified in Internet Protocol Network Essentials in preparation for Cisco CCNA ICND1

Equipment Experience:

- Loaded software, determined initial network parameters, and commissioned equipment by testing and validating functionality
- Supported customer activation of new circuits by testing connections with other network equipment and integrated/mapped circuits on the network

- Actively performed preventive or reactive maintenance of network equipment
- Experienced in Synchronous Optical Networking (SONET), dense wavelength-division multiplexing (DWDM) and passive optical network (PON) fiber-optic technologies
- Knowledgeable in proper grounding methods and procedures for network equipment
- Maintained and installed equipment rack/bays, power systems, antenna systems and more within a Central Office/Data Center including Customer premises
- Experienced in data center installations/facilities including colocation experience in large data centers/IBX centers.
- Ensured installation of Cat 5e/6, Coax, Ethernet, and Fiber Optic Structured Cabling Systems according to industry standards such as EIA/TIA, BICSI, NEC
- Skilled and knowledgeable in the installation of auxiliary framing, relay racks, cable ladder, overhead grid, earthquake support and bracing, etc.
- Provisioned, installed, completed test and turn-up, conducted ongoing maintenance, and repaired the following (not limited to) equipment:

  - Ciena – ROADM Z77, Z33, 5150, 5170, 6500, Waveserver 5
  - Coriant 7100, NANO
  - Nokia – 7360, 7750, SR2
  - RAD – ETX 205A, 220A
  - Juniper - M/MX/PTX/QFX Series routers
  - Cisco – 3600, 3750, 6130, 6509, 9010, 15454
  - Adtran – OPTI6100, MX2820, TA5000, TA1500, TA5004, TA1X48
  - Metaswitch – MG3510, CH6050, CH6010
  - Calix – C7, E3, E7
  - Fujitsu – Flashwave 4100, 9500
  - Actelis – ML2300, ML648, PFU-8
  - Canoga Perkins – 9145
  - Alcatel Lucent – 7342, 7450
  - Infinera DRX-30
  - WTI – DSM Series (Serial Console Server), RSM (Remote Site Managers)
  - Dell PowerEdge – Series 13 Server
  - Perimeta SBC Dell R740

Power Experience:

- Installed Telecom Battery and DC Power Systems and removal of 24 – 48vdc systems
- Proficient in the installation of DC Plants, Inverters, BDFB's and telecommunications equipment in Wireless Shelters, Central Offices and other Telecom facilities
- Diagnosed and resolved DC Power Systems within Battery Cabinets, Remote Huts, Vaults, and within the Central Office (CO) and at the customer premise
- Laced power cable runs to fuse panels as well as lacing of a wide assortment of power cable to power plants

Engineering Drawings, Schematics, Documentation:

- Implemented and interpreted specifications and drawings required to assemble and integrate telco transmission equipment into a network environment
- Created and followed MOPs (Method of Procedures), network diagrams, equipment configuration schematics, and Scope of Work specifications
- Managed record-keeping and documentation of all assigned projects including material, change in specifications, and delivering within a specified time-frame
- Assured quality and security operating procedures incorporating best industry practices
- Led oversight of onsite schematics creation including site-survey and pre-field work in the development of network projects

- Utilized work order and asset management software such as Varasset to collaborate with team members on all aspects of project implementation
- Prepared reports and provided status for all assigned projects to multiple departments including planning, engineering, and material acquisition

Delegation:

- Supervised, trained, and delegated work direction to technicians and contractors on individual job progress, material shortages, customer complaints and unsafe or inoperable tools
- Supported and assisted other technicians on large scale projects and served as Lead on several projects
- Designated 'Administrator-In-Charge' in the absence of direct Supervisor
- Analyzed, planned, constructed layout, and assigned installation activity to installation personnel
- Managed and supervised a team of sixteen Premise Technicians for AT&T
- Assisted with the development of bid specifications for installation of network equipment and service
- Developed strong working relationships with internal and external stakeholders

Interpersonal and Organizational Skills:

- Maintained current knowledge of technical advances in the field with ongoing training provided by employer and continuing education
- Strong and clear communication amongst a wide variety of team members including peers, management, vendors, and customers, as it pertained to project planning, engineering, material acquisition, and equipment manufacturers. This communication includes e-mail, via phone, and /or via in-person or online meetings
- Effectively communicate in cross cultural settings, maintaining sensitivity to individuals with varied experiences, backgrounds, and identities
- Worked effectively under minimal supervision which demanded focus and attention to detain in day-to-day project progress with the goal of meeting deadlines
- Planned and organized multiple projects with shifting priorities, ensuring ongoing progress from planning to implementation
- Achieved positive and professional working reputation among peers, supervisors, business contacts, and customers as being courteous, kind, respectful, and hard-working
- Creative problem-solving abilities addressing issues as they arise

Volunteering

Technology Services Internship
Sulphur Springs Union School District
June 2019 – August 2019

Under the direction and mentoring of the Manager of Technology Services, my responsibilities included the installation, repair, and maintenance, of technology systems throughout the district. Provided technical support for users of the districts Apple computing systems and assisted with the installation and maintenance of district hardware and software.

Work History

Equipment Installer | Frontier Communications | September 2015 – Present
Field Supervisor (18 months) and Premise Technician | AT&T, Inc. | July 2011 -September 2015
Hardware Service Specialist (Wireless Technology) | Ericsson - Ian Martin Technology Staffing, Inc. | February 2011 - July 2011
Customer Field Service Technician II | Verizon Communications, Inc. | September 2005 – 2010
Communications Installer | San Bernardino County Information Services Department | 1999 - 2005