

**QA TESTING • GNSS & OTA Testing • LAB MANAGEMENT**  
*Modem Hardware & Software Testing*

QA engineer who has accomplished several projects and maintained lab facilities. Strong interests in networking protocols to physical layer and wireless. Worked in several different laboratories: RF Chambers, data centers, modem labs and small-cell radio labs. Provided technical support and worked with senior engineers, project managers, and directors. Able to troubleshoot any technical problems as well as manage and work with different teams.

**EDUCATION**

**Adrian C. Wilcox high School, Santa Clara, CA 2006-2010**

*High School Diploma*

**De Anza Community College, Cupertino, CA 2010-2013**

*Associate of Arts, Liberal Studies & Sciences*

**San Jose State University, San Jose, CA 2024**

Bachelor of Science

*Business Administration: Management Information Systems*

**CERTIFICATIONS/PARTNERSHIPS - CISCO CANDIDATE ID: CSC012955349**

Technical Certifications

[CompTIA A+](#)

License number: mdthqvsgebec8xc

[Cisco Certified Technician \(CCT\)](#)

License number: 424458065171CRBH

[Cisco Certified Entry Network Technician \(CCENT\)](#)

License number: 424458065156ITBF

[Cisco Certified Network Associate \(CCNA\): Routing and Switching](#)

License number: 424458065184DRVJ

[Cisco Certified Network Associate \(CCNA\): Wireless](#)

License number: 424864177111BMZJ

[Palo Alto Networks: Accredited Configuration Engineer \(ACE\) 7.0-OS](#)

Marketing & Channel Partnership Training Certifications

[NVIDIA Partner Network: Accelerated Computing Technical Training](#)

[NVIDIA Partner Network: Professional Visualization Technical Training](#)

[NVIDIA Partner Network: Cloud/Virtualization Sales Training](#)

[NVIDIA Partner Network: Cloud/Virtualization Technical Training](#)

**Tarana Wireless Inc. • Santa Clara & Berkeley, CA 2018**

**Laboratory Manager**

- In a tech-startup company I worked closely with each department team managers, VPs and Executives. And reported back daily to the Director of Engineering for any new updates and changes for any on-going tasks and projects.
- Weekly field and site survey testing in Urban Areas and customer site locations.
- Managed and go-to person to bring up systems in the lab and radio links to a "known working status" in Santa Clara and Berkeley laboratories.
- Setup point-to-point & point-to-multipoint backhaul radios in Santa Clara, Berkeley, and San Francisco locations; configured 2.5GHz, 3.6GHz, and 5.8GHz radio links.
- Demonstrated field test deployment scenarios for potential customers, investors and QA testing. Captured and logged files for each field tests, and coordinate with Field Test Engineers on beamforming radio links for Line-of-sight and Non-Line-of-sight in several scenarios that entails: flat plain fields, Levi Stadium parking lot, across the south bay peninsula,

buildings and rooftops poles, to congested traffic in cities of Santa Clara, Downtown San Francisco, Downtown Berkeley & UC Berkeley campus, and Crissy Fields.

- Flashed SD memory cards on packet traffic generators tools, Edge Routers, reconfigured backhaul infrastructure hubs on testing field sites, support onsite installation of radio link systems, load latest software, capturing GPS signals, and making sure all devices are properly online and reconfigured for internal radio links and production radio links.
- Factory reset and recover bricked units, bringing radio systems online to the lab network, configure management IPs, set radio frequency range, receiving GPS, radio profiles, and software deployment.
- Provided assistance with hardware test team, managed new onboard open-frame units, and capturing test logs.
- Update company database library managed administrative support
- Created instruction & troubleshooting documentations for customers.
- Working knowledge of Linux. Lab work environment operated on Ubuntu for each desktop, and configured each radio links.
- Monitor all lab accessories. This entails budgeting purchase orders for the lab, and RMA processing
- Assist to help plan and design the floor plans for lab migration and test plans.
- Inventory tracking for all lab equipment and archive non-production radios.

### **Groupware Technology • Campbell, CA • July 2015 – Aug 2016**

#### **Laboratory Technician**

- Setup and managed the Proof of Concept lab by deploying and configuring enterprise equipment.
- Worked with enterprise resellers equipment which entails: Cisco, PAN firewalls, Dell, HP, SuperMicro, Pure Storage channeled partners and providing service solutions for customers.
- Setup, configure and deploy routers, switches, firewalls and network management tools at customer's location.
- Able to work with each department, vendors and channeled partners in support of any projects requiring Proof of Concept, testing, or validation.
- Assist Sr. Engineers to support Data Center project builds, and able to setup/configured small office and racks.
- Setting up servers and flashed OS images onto switches, VMware ESXi 5.5/6.0 and vSphere onto UCS 220 & 240 servers, patching fiber & copper, installing PDUs and documenting and enforcing system standards in data center labs.
- Created rack elevation diagrams to install switches, servers and routers for the proof of concept lab.
- Layer 2 switch configuration
- Set up network management, and setting up Cisco (CIMC) web interface management, and baseline configurations.
- Installed OS: Windows 8.1, 2012 R2 Server, RHEL and Ubuntu, and configured RAID group storage servers.
- Update lab and warehouse inventory, customer's Build of Material list, and used NetSuite to track all assets for inventory database.
- Create, monitor, and manage workflow via. Confluence for the company's knowledge database Wiki.

### **7LAYERS Inc. • Sunnyvale, CA • Feb 2014 – Jan 2015**

#### **Test System Operator**

- Ran test simulations for OTA test sensitivity on Rohde & Schwarz Communication testers: CMW 500, CMU 200.
- Collected simulation tools for data collection and analysis, test results and reports: cellular tests includes LTE, WCDMA, GSM, and Wi-Fi reports.
- Worked on several projects which entails to test: mobile phones, laptops, and tablets.
- Setup test cases and troubleshoot to attach networks to mobile devices in anechoic chamber, while operating overnight shifts.
- Set up over-the-air antennae testing for Wi-Fi & LTE; and ran TRP and TIS measurements.
- Completed each external customer project deadline. Logging each duration of the tests and billing the customers, while reporting back to management.

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#### **TECHNICAL/APPLICATION SKILLS**

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##### **Operating Systems:**

- Microsoft Windows
- Ubuntu
- VMware ESXi, vSphere client

##### **Lab Equipment Knowledge:**

- MXG Signal Generator
- Spirent GSS6450, GSS6700, GSS7000,

- Rohde & Schwarz Wideband Radio Communication Testers: CMU 200, CMW 500

**Application Knowledge:**

- HTML 5
- XML
- Cisco CLI
- CSS
- Microsoft Office Suite, Word, Excel, PowerPoint

**ADDITIONAL CREDENTIALS**

**LANGUAGES**

Intermediate in Vietnamese  
Basic in Japanese

**AWARDS**

- Ordinary People, Extraordinary Hearts volunteer award, Heart of the Valley Service For Seniors Inc. (2011)

**INTERESTS**

Software Installations - Systems and network configurations & troubleshooting – QA Testing – Wireless Testing – Over The Air Testing – Field Test Deployment - 3GPP Specifications – Technical Marketing