

Pavel Patton

☎ (408) 555-1234 ✉ pavel.patton@example.com

🌐 linkedin.com/in/pavelpatton 📍 1234 Elm Street, San Jose, CA 95123



SUMMARY

Detail-oriented Network Test Engineer with over 4 years' experience in network protocols and a solid grasp of software testing methods. Successfully deployed and validated network systems, actively contributing to automation tool development using Python. Expertise in collaborating with cross-functional teams and presenting technical results effectively allows for clear communication across all levels. Maintained dedication to enhancing system integration processes while troubleshooting complex network issues to optimize performance effectively. Excited about the opportunity to bring my passion for networks and problem-solving skills to create impactful contributions.

EXPERIENCE

Network Test Engineer January 2023 - Present
TechWave Solutions, Inc. *San Francisco, CA*

As a Network Test Engineer, responsibility includes developing test plans for system integration, particularly focusing on end-to-end validation of network functions. Collaborating closely with development and network operations teams enhances troubleshooting capabilities and leads to timely issue resolution.

- Developed comprehensive test strategies for validating both software and network functionality.
- Collaborated with multi-disciplinary teams to troubleshoot complex network issues swiftly.
- Automated numerous test cases leading to decreased manual intervention during validation.
- Documented and presented findings improving stakeholder engagement and collaboration.
- Conducted hands-on evaluations of L2 and L3 network protocols ensuring adherence to project specifications.
- Contributed creatively to the development of automation tools utilizing Python.

Network Engineer June 2021 - December 2022
NetLink Technologies, LLC *Mountain View, CA*

In the role of Network Engineer, gained responsibilities including deploying and validating network systems while ensuring an efficient testing framework across multiple vendors. Actively sought ways to minimize downtime and enhance knowledge-sharing within the engineering team.

- Achieved a 95% success rate on system integration testing via strategic deployments.
- Engaged extensively in multi-vendor device testing contributing significantly to the overarching framework.
- Implemented targeted troubleshooting strategies mitigating downtime significantly.
- Introduced automated testing tools driving productivity up by 30%.
- Maintained operational excellence in Linux environments along with necessary network protocols.
- Mentored junior engineers fostering growth within the team through knowledge sharing.

Junior Network Test Engineer February 2019 - May 2021
CloudNet Innovations *Sunnyvale, CA*

Functioned as Junior Network Test Engineer offering critical support for senior staff by executing established test plans while gaining firsthand exposure to NFV and open-source technologies like OpenStack.

- Supported senior engineers in structuring test plans focused on successful validation outcomes.
- Participated in automating testing procedures which profoundly reduced manual workload.
- Assisted in proper documentation ensuring logged accuracies and helping in troubleshooting sessions.
- Joined regular discussions with IT development teams aligning testing tactics with overall targets.
- Learned various key network protocols through practical work contributing positively to reliability efforts.
- Engaged in maintaining competitive standards on network reliability and performance throughout tenure.

LEADERSHIP & AWARDS

- Outstanding Performance Award for innovative solutions in automating test processes.
- Employee of the Month recognizing exceptional teamwork and commitment to quality.

EDUCATION

Bachelor's Degree in Computer Science 2026
University of California, Berkeley GPA: 3.8 *Berkeley, CA*

Coursework: Data Structures, Networking, Operating Systems, Software Engineering

CERTIFICATIONS

- Certified Network Test Engineer 📅 2025
- AWS Certified Solutions Architect – Associate 📅 2026

TECHNICAL SKILLS

- **Networking Tools:** Wireshark, nMap, SolarWinds
- **Cloud Platforms:** Amazon Web Services, Microsoft Azure, Google Cloud Platform
- **Programming Languages:** Python, Bash, Java
- **Automation Frameworks:** Robot Framework, Selenium, Jenkins
- **Operating Systems:** Linux, UNIX, Windows
- **Testing Methodologies:** Agile, Waterfall, V-Model
- **Scripting Tools:** Ansible, Puppet, Chef
- **Monitoring Software:** Nagios, Zabbix, Prometheus
- **Documentation Tools:** JIRA, Confluence, GitHub
- **Networking Concepts:** VLAN, VxLAN, BGP, MPLS, EVPN

SKILLS

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|---------------------|------------------------------|-----------------------|---------------------------------|
| • Network Protocols | • Python | • Presentation Skills | • L3 Protocols |
| • OpenStack | • System Integration Testing | • Firewall Management | • Security Policies |
| • NFV | • Troubleshooting | • Cloud Networking | • Testing Framework Development |
| • Linux | • Automation | • L2 Protocols | • Collaborative Work |

PROFESSIONAL AFFILIATIONS

- Member of the IEEE Communications Society, engaging in networking opportunities.
- Registered Volunteer with the local tech community, mentoring young talent.

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST