

Barrett Wilcox

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SUMMARY

Driven Lead Network Engineer with over 7 years in infrastructure engineering, specializing in network architecture and large-scale deployments. Experience spans designing enterprise networks, including SD-WAN solutions, while maintaining rigorous cybersecurity standards aligned with IACS E26/E27 requirements. Proficient at leading cross-functional teams and vendors for the successful delivery of integrated infrastructure solutions. Focused on continuous improvement of processes through standardized frameworks that boost automation in infrastructure delivery, ensuring solutions are scalable, secure, and meet organizational needs. Excited to bring both technical expertise and a collaborative approach to drive results.

EXPERIENCE

Lead Network Engineer

January 2021 - Present

Innovative Tech Solutions

Orlando, FL

Oversaw design and implementation of advanced infrastructure platforms for new vessels, managing end-to-end project lifecycle from concept to delivery. Championed automated deployment frameworks enhancing efficiency across multiple environments and led efforts that mitigate risks associated with complex networking challenges during projects.

- Directed technical strategies that improved on-time project deliveries, enhancing client satisfaction significantly.
- Established best practices for network segmentation and access control, reinforcing security measures across deployments.
- Cultivated strong partnerships with operational teams, ensuring timely transitions from build to functional operability.
- Enabled readiness for ship delivery by embedding compliance standards into all stages of infrastructure rollout.
- Optimized resource allocations for projects, fostering collaboration among diverse teams to fulfill technical objectives.
- Spearheaded knowledge-sharing sessions for junior engineers, promoting innovation and skill development.

Senior Network Engineer

June 2018 - December 2020

NextGen Technologies

Miami, FL

Instituted design protocols for high-availability enterprise network systems, significantly boosting performance and reliability metrics. Pioneered deployments of software-defined networking, which streamlined operations and reduced downtime for critical applications.

- Executed comprehensive security assessments, meeting stringent IACS E26/E27 compliance standards.
- Coordinated vendor relations effectively, facilitating smooth integrations of new hardware within existing networks.
- Generated detailed documentation to enhance team understanding and preparedness during implementing procedures.
- Evaluated performance monitoring tools that enhanced systems visibility, decreasing incident response times notably.
- Engaged directly with project stakeholders, ensuring transparency and alignment throughout the implementation process.
- Presented findings regularly to executive management, influencing changes that improved long-term service quality.

Network Engineer

February 2016 - May 2018

Tech Innovations Inc.

Tampa, FL

Controlled the setup and optimization of networking hardware across several locations, laying down foundational improvements that enhanced system resilience. Participated actively in developing disaster recovery strategies aimed at reducing future risks.

- Facilitated training workshops for staff, enhancing skills and competencies related to newly installed network systems.
- Streamlined network architecture setups to promote better security measures and holistic operational efficiency.
- Collaborated on technology upgrades, ensuring seamless integration aligned with performance benchmarks.
- Monitored and assessed network infrastructures regularly, resulting in actionable insights for consistent improvement initiatives.
- Implemented maintenance schedules to safeguard uptime, reflecting a commitment to continuous service provision.
- Contributed to user feedback sessions, tailoring approach based on actual client experiences and points of view.

LEADERSHIP & AWARDS

- Top Performer Award for Q4 2022 due to excellence in complex project deliveries.
- Innovation Recognition for spearheading efficient deployment frameworks reducing lead times.

EDUCATION

Bachelor's Degree in Computer Science

2015

University of Florida GPA: 3.8

Gainesville, FL

Coursework: Data Structures, Networking, Cybersecurity, Systems Architecture

CERTIFICATIONS

- Cisco CCNP Enterprise 📅 2020
- Cisco CCNP Security 📅 2021

TECHNICAL SKILLS

- **Networking Tools:** Cisco IOS, Juniper, HPE Aruba
- **Cloud Platforms:** AWS, Azure, Google Cloud
- **Virtualization Tools:** VMware, Hyper-V, KVM
- **Monitoring Solutions:** Nagios, SolarWinds, PRTG
- **Deployment Frameworks:** Ansible, Terraform, Puppet
- **Security Standards:** NIST, ISO 27001, IACS E26/E27
- **Collaboration Tools:** Slack, Microsoft Teams, Trello
- **Documentation Tools:** Confluence, SharePoint, Visio
- **Performance Monitoring:** Wireshark, NetFlow, AppDynamics
- **Project Management Software:** JIRA, Microsoft Project, Asana

SKILLS

- Network Architecture
- Cybersecurity Compliance
- SD-WAN Solutions
- Automation Frameworks
- Infrastructure Delivery
- Team Leadership
- Network Segmentation
- Cloud Computing
- Virtualization Techniques
- Routing Protocols
- Switching Techniques
- Firewall Management
- Vendor Management
- Security Assessments
- Documentation Strategies
- Monitoring Tools

PROFESSIONAL AFFILIATIONS

- Member of the IEEE Networking Society, engaging with industry professionals to share insights.
- Active participant in local tech meetups focusing on emerging networking technologies.

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST