

Career Opportunity
NETWORK ARCHITECT/ENGINEER

\$97,277– 117,401 ANNUALLY DOE / DOQ
Salary range includes unit cash allowance of \$6149

Information and Communications Technology Division
General Services Department
COUNTY OF SANTA BARBARA

We are looking for someone who has complex network design and implementation experience, incorporates network and network security best practices, is expert in MPLS, OSPF, BGP, QOS, SNMP, DNS, DHCP, ACLs, and has Open Flow, SDN, traffic engineering, wireless and multi-cast experience. Our ideal candidate would be fluent in Cisco IOS and NX-OS, would have work experience with VoIP, VMware, Microsoft, CheckPoint, Splunk, Wireshark, LiveAction, Solarwinds and Intermapper. In addition, the candidate should have strong analytic and problem solving skills, excellent group dynamic and interpersonal skills, and the ability to deal with the ambiguity associated with a fast paced and ever changing environment. We expect that the candidate possesses excellent documentation, communication and presentation skills as this role will require communication with stakeholders, and internal and external clients. A candidate who is a cultural fit will possess the following characteristics:

- Is personable, has a positive attitude;
- Is open to new ideas and concepts;
- Has internal drive to meet and exceed expectations;
- Is creative and innovative;
- Is customer service oriented;
- Has integrity, resiliency, self-confidence and work ethic.

THE JOB

This NETWORK ARCHITECT/ENGINEER reports to the Technical Support Supervisor and mentors (but does not supervise) five Network Technicians, provides project and operational support for over 100 other Information Technology professionals, in 20 different departments located throughout the County and in 200 different physical locations. This is the most senior network technical position for the County of Santa Barbara, responsible for the overall network structure, design and standards. The location of the vacancy is in Santa Barbara; however, you may travel throughout the County of Santa Barbara. The Network Architect/Engineer is subject to, and eligible for, overtime and on-call standby pay.

THE SELECTED CANDIDATE WILL:

- Design and coordinate the implementation, maintenance and upgrades of our enterprise network consisting of 10,000+ nodes, six (6) major campuses, 200+ wiring closets, four (4) Internet connections in two geographies, with a meshed backbone, running OSPF, BGP, QoS and MPLS.
- Troubleshoot the most complex and difficult network challenges.
- Lead as an internal IT network consultant supporting 20 different departments, integrating departmental systems into the network, participating in meetings and on project teams related to any new client projects, exploring the customer's business requirements, providing recommendations, evaluating risk and helping the customer weigh those risks to make decisions.
- Contribute to the County's Information Technology Strategic Road Map.
- Collaborate with the ICT Security Team who manage the County's firewalls and other security solutions
- Support the County's private cloud virtual networking components.
- Interface and work with County vendors providing IT solutions including tier-1 telecommunications providers.
- Provide after-hours and on-call support.
- Design technology roadmaps for upgrades and refreshes.
- Recommend network technology standards in support of an enterprise network architecture.

IDEAL CANDIDATES WILL HAVE THE Knowledge, Skills, Experience and Ability to:

- Keep up with new trends and changing technology in other IT disciplines to effectively advise others.
- Manage and monitor the network, trend and provide forecasting for future changes and/or growth.
- Research and explore systems and provide recommendations to customers to ensure effective network connectivity when selecting new equipment.
- Support and inform multi-tenancy architecture and design.
- Usher us into the age of cloud and software defined networking.
- Encourage, challenge, respect, and collaborate with IT professionals and business leaders across the County.
- Mentor and train other IT professionals, be a role model.
- Envision the big picture – sometimes working in the details but often focusing on the enterprise and our organizational goals.
- Evaluate and respond to security advisories.
- Leverage their knowledge of a variety of IT disciplines to inform the County's architectural roadmap.
- Direct remediation efforts in response to operational deficiencies.
- Identify and implement redundancy in critical areas of network operation.

Minimum Qualifications:

- Four years of experience that included analyzing, designing, testing, and implementing enterprise-wide software and hardware on a large scale (about 15 servers), including two years of direct experience with a large wide area network (about 500 devices); or,
- two years of experience performing duties equivalent to those of an EDP Office Automation Specialist I with Santa Barbara County; or,
- a combination of training, education, and experience that is equivalent to one of the employment standards listed above and that provides the required knowledge and abilities.
- Possession of a valid California Class C Driver's License is required upon hire.

Highly Desirable:

- Certification in: CCIE, CCDP, CCNP, CISSP
- BA or BS degree

THE BUSINESS ENVIRONMENT

This position is primarily located in South Santa Barbara County, however may require travel throughout the County. This is a fast paced environment, and you must be able to multi-task and respond to multiple, high-level priorities and customer's competing needs. We welcome your new and creative ideas that allow us to ensure a secure, efficient and effective network environment.

THE DEPARTMENT

General Services provides a full range of services, guidance and expertise that enables County government to deliver public services effectively. Our services include Capital Projects, Facility Maintenance, Purchasing, Real Estate Services, Vehicle Operations, and Information and Communications Technology. Information and Communications Technology is a Division within the Department of General Services and is responsible for defining and developing IT infrastructure systems to satisfy specified requirements of users and/or applications within our County's 20 Departments. Our division is responsible for the continuous lifecycle of the Information Technology Solutions from deployment and management, to replacement. We are passionate about serving the public and making a difference in the lives of those we serve. *Our clients protect and serve people in our community and we desire our employees mirror that passion and commitment to those we serve.*

Recent accomplishments of our Network Architect:

- Completed a Network Core redesign
- Implemented and Migrated from EIGRP to OSPF
- Implemented QoS in support of VoIP and Video
- Participated in and responded to our annual risk assessment

Future projects for our Network Architect:

- Access Layer refresh evaluation and recommendation
- ISP connectivity, firewall and data center redesign including OSPF integration and DMZ consolidation
- Perform a Network Health Assessment and make recommendations for improvements – validate current design
- IPv6 implementation
- MPLS Traffic Engineering
- Migration of select services to the Cloud

BENEFITS: The County of Santa Barbara offers a generous benefits package. See the application link for more details.

HOW TO APPLY:

This is an open continuous recruitment, however *for first consideration apply by November 30.*

Online Application: Please apply online by and attaching your resume and cover letter at <https://www.governmentjobs.com/careers/sbcounty/jobs/1884031/network-architect-engineer?keywords=network%20engineer&pagetype=jobOpportunitiesJobs>

Questions?

Contact your recruiter, Wendi Brown at:

- 541-664-0376 or 866-929-WBCP (toll free)
- or email wendi@wbrowncreative.com

Selection Process:

All applications will be reviewed to determine which applicants meet the employment standards. Candidates who meet the employment standards will be matched to the ideal candidate statement and given a score from 70 to 90, which will determine their ranking on the employment list. Top candidates placed on an employment list will be invited to interview and may undergo a background and reference check as part of the selection process. Other requirements/requests may be needed for final candidates selected (e.g., review of driving record, Medical Examination, etc.).

The County of Santa Barbara respects and values a diverse workforce and strongly promotes strategies and activities to recruit, develop and retain qualified persons of varied backgrounds, lifestyles, experiences and races.