

SITHIDETH BANAVONG

Senior Network & Security Professional

CONTACT

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📍 Fremont, CA

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SKILLS

- Routing protocols (Static, BGP, OSPF, EIGRP)
- Data Center Architecture
- Network Security (Firewalls, VPNs)
- Network Monitoring (SolarWinds, PRTG, and Zabbix)
- Network Troubleshooting Tools (Debugs, TCP-Dump, Wireshark)
- Load Balancing (F5 LTM)
- Cloud Networking (AWS, Azure)
- Network Design and Architecture
- Multi-factor authentication
- Enterprise high availability (vPC, VSS, HSRP, VRRP)

ACCOMPLISHMENTS

- Migrated enterprise firewall infrastructure from Cisco ASAs to Fortinet Fortigates.
- Implemented Fortinet FortiClient EMS to centralize management and deployment of Fortinet FortiClients for enterprise secure remote VPNs.
- New data center buildouts in Australia, Denmark, France, and Korea which included the design, procurement, configuration and implementation of Fortinet firewalls, Cisco switches and Cisco routers.

PROFESSIONAL SUMMARY

Dynamic Senior Network and Security Professional with over 27 years of experience, adept at driving impactful IT solutions that enhance network performance and infrastructure security. Expertise lies in network design and implementation, firewall technologies, and advanced VPN solutions. Demonstrates a proven ability to diagnose complex issues and develop strategic solutions, ensuring high availability and robust security across diverse environments. Committed to proactive maintenance and continuous improvement, leveraging a comprehensive understanding of cyber security and network protocols to deliver exceptional results in all projects. Passionate about advancing technology infrastructure to support organizational goals.

WORK EXPERIENCE

Senior Network Engineer

Qiagen Digital Insights

August 2019 - current / Redwood City, CA

- Design, install, configure, support and optimize 10 global data centers, ensuring 99% uptime and availability for bioinformatics SaaS.
- Design and configuration of LAN/WAN infrastructure to prevent single point of failure that includes BGP, OSPF, HSRP, VRRP, LACP, vPC, VSS, and StackWise Virtual, achieving 99.9% uptime and completing 10+ projects successfully.
- Design, implement, and support secure, scalable, and resilient LAN, WLAN, and WAN infrastructures, including routers, switches, wireless controllers, access points, and firewalls.
- Configure and deploy F5 BIG-IP LTM to provide application redundancy and load balancing.
- Ensure bioinformatics SaaS connectivity for customers and/or business units by configuring public facing internet access and/or IPSEC site-to-site VPN tunnels. Collaborating with Internet Service Providers and Cloud Providers (AWS and Azure) for seamless integration and improved operational efficiency.
- Configure and deploy Fortinet Fortigate firewalls with UTM features such as IPS, Web Filtering, Web Application Firewall and APP Control to enhance network protection and achieve a 30% reduction in security incidents.
- Proactively monitor network health, analyze performance metrics, and troubleshoot issues to minimize downtime and ensure service continuity with SolarWinds, PRTG, and Zabbix, PINGs, SNMP and NetFlow.
- Advance troubleshooting utilizing tools such as debugs (Fortinet) and packet captures (Wireshark/TCP-Dump) to resolve network performance issues and boosting product launch by 95%.

Senior Network Engineer / Robertson, Anschutz, and Schneid, P.L
April 2016 - August 2019 / Boca Raton, FL

Senior Network Engineer / Naples Community Hospital
August 2015 – April 2016 / Cleveland, OH

Senior Network Engineer / Cliffs Natural Resources
November 2014 - August 2015 / Cleveland, OH

Senior Network Engineer / Seacoast National Bank
April 2013 - November 2014 / Stuart, FL

Senior Network Engineer / Connecticut State Colleges & Universities
March 2005 - August 2012 / Hartford, CT

Senior Network Engineer / Women's Health USA
October 2004 - March 2005 / Avon, CT

Senior Network Consultant / RKL & Associates, LLC
February 2004 - October 2004 / Winsted, CT

Network Engineer / Charlotte Hungerford Hospital
March 2002 - February 2004 / Torrington, CT

Network Engineer / Dual-Lite, LLC
December 2000 - March 2002 / Cheshire, CT

Senior Network Specialist / The Knights of Columbus
June 1999 - December 2000 / New Haven, CT

Lotus Notes Administrator / Computer Science Corporation
October 1998 - June 1999 / East Hartford, CT

Network Specialist / Bayer Pharmaceuticals
June 1997 - October 1998 / West Haven, CT

IT Supervisor / MFP Technology Services, Inc
June 1996 - June 1997 / Wilton, CT