

RYAN HAMEL

Los Angeles, CA | ryan@rkhtech.org | <https://linkedin.com/in/ryanhamel/>

NETWORK ENGINEERING | SYSTEMS ENGINEERING | AUTOMATION | VIRTUALIZATION

Network Engineer with more than 10 years of experience developing, deploying, and supporting highly secure, scalable IT architectures.

Engineers network infrastructures increasing operational efficiency and cost performance of large-scale enterprise IT networks. Leverages strong skills in software development to create and deploy scripts for networking automation and orchestration. Manages strong relationships with internal business units and external customers, working to analyze business and technology processes to recommend, engineer, and implement innovative IT solutions. Currently seeking professional roles as a Senior Network Engineer or in Network Automation.

PROFESSIONAL ACHIEVEMENTS

- Led a project to engineer and deploy Internet Exchange (IX) connectivity, enabling a shift of over 50% of network traffic onto peer-to-peer connections.
 - Engineered and launched a Python Slack bot providing automation to common network support requests, leveraging customized software to streamline support activities, allowing support resources to focus on other strategic IT areas.
 - Worked on multiple initiatives to develop more efficient, supportable networked infrastructures, including deploying new architectures for security hardening, server virtualization, and working with customers to identify opportunities to reduce costs through system optimization.
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TECHNICAL SKILLS

HARDWARE: Allot NetEnforcer / NetXplorer, Cisco, Juniper (ACX / EX / MX / QFX / SRX Routers), HP, Mikrotik

PROTOCOLS: BGP, CDP, GRE, HTTP / HTTPS, IRC, LDP, LLDP, MPLS, OSPF, RADIUS, STP (MSTP / PVSTP / RSTP), TCP/UDP

OPERATING SYSTEMS: FreeBSD, Linux (CentOS, RHEL, Debian, Ubuntu), Windows Desktop, Windows Server

SOFTWARE DEVELOPMENT / AUTOMATION: Python, NodeJS, MySQL Workbench, Ruby, Shell Scripting, C#, VB.NET, HTML, CSS, JavaScript

TOOLS: Allot NetXplorer, Google Chrome, Microsoft Office, Mozilla Firefox, NetBox, OpenVPN, Salesforce, Slack

DATABASES: MySQL, Memcached, Redis

PROFESSIONAL EXPERIENCE

i3D, LLC (a company of Ubisoft), Pasadena, CA - **Network Engineer II (2023 - Present)**

- Engineer, implement, and datacenter networks, including configuring and deploying switches, routers, networked devices, and other platforms required to provide stable Internet connectivity to game studios, game servers, and video + voice communications.

i3D, LLC (a company of Ubisoft) - **Network Engineer II** (*Continued*)

- Improve user experiences by developing network connectivity solutions streamlining access to business-critical systems and data.

ESSENSYS, INC, Los Angeles, CA - **Network Support Engineer (2019 - 2023)**

- Engineer, implement, and administer enterprise IT networks, including configuring and deploying switches, routers, networked devices, and other platforms required to provide stable, secure Internet connectivity to co-working and flex office spaces.
- Improve user experiences by developing network connectivity solutions streamlining access to business-critical systems and data.
- Collaborate with software development teams to identify and implement code used in network automation and orchestration, ensuring proper code integration and functionality within enterprise production environments.

QUADRANET ENTERPRISES, LLC, Los Angeles, CA - **Network Administrator (2018 - 2019)**

- Configured and implemented networking hardware according to immediate and evolving operational needs, building out architectures that strategically integrated with systems and provided more robust network performance.
- Managed all aspects of network engineering in large-scale IT environments using a diverse set of hardware platforms and software tools.
- Diagnosed and resolved user-reported issues with network connectivity, ensuring the timely resolution of support cases; troubleshoot networking hardware and software, including routers, switches, ISP provisioned circuits, and Internet Exchange (IX) solutions.

QUADRANET ENTERPRISES, LLC, Los Angeles, CA - **Senior Support Engineer (2015 - 2018)**

- Coordinated the configuration and administration of physical and virtual server infrastructures, including file servers, web servers, and email servers; conducted server monitoring, performance tuning, and upgrades.
- Established technology governance for datacenter operations, helping to drive 100% uptime of all IT systems and services, leveraging strong technology management and relationship management expertise to improve IT performance and customer experiences.
- Created and deployed scripts used to automate administrative tasks and streamline deployments of new datacenter network configurations.

EDUCATION

Associate of Science, Network Systems Administration

SANTA BARBARA BUSINESS COLLEGE, Rancho Mirage, CA

VOLUNTEER WORK

Volunteer / Systems Administrator, Mindat.org, London, UK (2021 - Present)

Volunteer / Network Engineer, Southern California Linux Expo, Pasadena, CA (2022 - Present)

Volunteer / Network Engineer, Gamers Outreach, Ypsilanti, MI (2023)