

Canaan McKenzie

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Network engineer and full-stack developer adept in architecting and designing distributed network and server infrastructure. Experienced with network automation, hardware/software security research.

Technical skills

- Full-stack development (PHP, Laravel, jQuery, JavaScript, CSS & HTML)
 - Server management (Windows Server, Linux)
 - LAN/WAN, TCP/IP Networking
 - Programming in PHP, Perl, JavaScript, Python, Ruby, PowerShell
 - OPNsense/pfSense, Veeam, Active Directory, UniFi
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Experience

Network Engineer, *rb Technologies*

Feb 2024 - Present

- Designed, implemented, and maintained network infrastructures utilizing UniFi, OPNsense, pfSense, and Sangoma solutions, ensuring high availability and reliability.
- Managed and configured firewalls, routers, switches, and VPN connections to enhance network security and performance.
- Administered Windows Server environments, including Active Directory, DNS, DHCP, and Group Policy management.
- Developed and maintained scripts in Perl, PHP, and PowerShell to automate tasks, streamline processes, and troubleshoot network issues.

Business (Data) Analyst, *State of Vermont, Agency of Digital Services*

Apr 2023 - Oct 2023

- Outlined architecture for the State of Vermont's digital Medicare/Medicaid Data Warehouse and Data Lake projects.
- Facilitated migration and update >10 year-old data warehouse Federal reporting software.

Freelance Software Developer, *Bugcrowd*

Jan 2021 - Apr 2023

- Contractor in web application security for Bugcrowd clients, specializing in PHP/Laravel.

Scientist I, *Vaxcyte*

Aug 2020 - Jan 2021

- Research scientist developing methods and processes using industrial robotics in the high-throughput analysis of vaccine candidate formulation.
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Education

Bachelor of Science in Mechanical Engineering, Minor in Computer Science

The University of Vermont