

Thirty-Five years of experience working with technology in educational environments. Associate Degree in Electronics from York Technical Institute and a Bachelor's Degree in Management and Organizational Development from Eastern Mennonite University.

Installed a school district wide email server in mid 1980's, and continually changed with technology. Managed a consortium network for 20 years. Grew it from a 56K/T1/DS3 Frame Relay network with 4 Mbps of Internet into a dark fiber wide area network and lighting it at speed up to 200 Gbps over that time. Experience integrating high quality audio and video services onto the network in the form of telephone services, video conferencing (Teams Rooms, h.323 systems, etc), lecture capture, streaming services, access control, security cameras and more.

An early adopter of the "put everything on your network" strategy, this system included FAX functionality and resulted in significant savings by eliminating analog telephone lines. Later upgrades involved Microsoft Lync, Skype for Business, and eventually to Microsoft Teams.

Involved with E-Rate since its inception in 1997. E-Rate provides significant discounts to schools and libraries for eligible services but it has quite rigorous processes, procedures, documentation, and compliance requirements. Served as the Co-chair of the E-Rate policy group in the Schools, Health & Libraries Broadband (SHLB) Coalition.

Developed various kinds of policies and procedures for a wide variety of data, equipment, network, and other corporate resources. This included security policies, acceptable use policies, and incident response policies. Holds a Global Information Assurance Certification from the SANS Institute and is a member of the GIAC Advisory Board.