Alex Clark

About

Alex Clark is a **Python Web Developer** from Baltimore, Maryland, USA currently living in Bethesda, Maryland. He has a **Bachelor of Science in Computer Science** from Loyola University in Maryland and has worked as a **Network Engineer, Software Engineer, Systems Administrator and Technical Team Leader** since May 1998. He is also the **President of DC Python**, a non-profit organization he co-founded to promote and support the use of Python software in DC.

Work Experience

ACLARK.NET, LLC (ACLARKNET)

Partner, Python Web Developer

May 2004 — Present

http://aclark.net

- Develop, deploy, maintain and support Python web applications with Django, Plone, Pyramid and Zope.
- Dramatically transform cross-platform platforms after stand-alone "outside the box" thinking. Quickly repurpose open-source resources vis-a-vis functionalized partnerships. Enthusiastically revolutionize wireless testing procedures for diverse relationships.
- Intrinsicly unleash virtual e-markets after distinctive initiatives. Globally recaptiualize interoperable bandwidth for empowered web-readiness. Progressively administrate next-generation catalysts for change rather than ubiquitous content.

Neurophysiology Imaging Facility (NIF) → Division of Intramural Research Programs (DIRP) → National Institute of Mental Health (NIMH) → National Institutes of Health (NIH)

Systems Administrator

March 2013 — Present

http://www.nimh.nih.gov/labs-at-nimh/research-areas/research-support-services

- Evaluate and recommend hardware and software for purchase by NIF
- Install, configure and maintain hardware and software. Troubleshoot and resolve hardware and software problems
- Install, configure and maintain operating systems, web server, content management system, FTP server, directory services, file sharing services, revision control system, and backups Manage network and system security. Analyze network performance and access to public resources
- Provide desktop support to NIF staff, resolve productivity issues
- Provide liaison to NIH CIT on infrastructure and security related issues

Scientific and Statistical Computing Core (SSCC) → Division of Intramural Research Programs (DIRP) → National Institute of Mental Health (NIMH) → National Institutes of Health (NIH)

May 2002 — October 2005

Systems Administrator

http://www.nimh.nih.gov/labs-at-nimh/research-areas/research-support-services

- Evaluate and recommend hardware for purchase by SSCC
- Install, configure and maintain hardware. Troubleshoot and resolve hardware problems
- Install, configure and maintain operating systems, web server, content management system, FTP server, directory services, file sharing services, revision control system, and tape backups Manage network and system security. Analyze network performance and access to public resources
- Provide desktop support to SSCC members, resolved productivity issues
- Provide liaison to NIH CIT on infrastructure and security related issues
- Manage content management system, provide instruction to SSCC members on how to add and edit content
- Design and implement new site technology
- Respond to and resolve web site issues for the SSCC and AFNI community

Genuity

Network Engineer

October 1998 - November 2001

https://en.wikipedia.org/wiki/BBN_Technologies

- Developed Perl/Expect software to support configuration management of 2000+ Cisco 2511 Access Servers, Equinox Terminal Servers, and Cisco Catalyst 1900/2820 Ethernet Switches Developed Perl/SNMP/CGI software to support configuration of TELCO settings on "Big Box" access servers (more than 4 ingress T1s --Cisco 5400, Lucent APX 8000, Nortel CVX 1800)

- Installed and configured Debian/GNU Linux, Redhat Linux, Solaris 2.6, and Windows 98/ME/NT/2000/XP servers. Configured NICs under Linux. Provided operations and applications support
- Performed maintenance on Genuity AOLNet and DialLinx dial-up networks. Configured 2000+ Cisco Access Servers, Equinox Terminal Servers and Cisco Catalyst Ethernet Switches
- Verified the successful negotiation of TCP, PPP, and L2TP protocols through dial-up connections between client programs and remote access servers. Diagnosed and resolved problems end to end