

Alex Clark



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About

Alex Clark is a **Python Web Developer** from Baltimore, Maryland, USA 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.

Skills

Web Development	Python	Systems	Networking
<ul style="list-style-type: none">• HTML• CSS• JavaScript	<ul style="list-style-type: none">• Django• Pyramid• Plone• Zope	<ul style="list-style-type: none">• Apple macOS Unix• Ubuntu Linux• CentOS Linux• Microsoft Windows	<ul style="list-style-type: none">• TCP/IP• CIFS• NFS• DNS

Profiles

[GitHub](#) | [LinkedIn](#) | [Twitter](#)

Work Experience

ACLARK.NET, LLC

Partner & Python Web Developer

2004 — Present

<http://aclark.net>

- Develop and deploy, support and maintain Python web applications with Django, Plone, Pyramid & Zope and related technologies e.g. HTML/CSS/JavaScript.

- Develop and maintain complex IT infrastructure with Amazon Web Services (AWS), CloudFlare, Rackspace Cloud, etc.
- Serve government, non-profit and private sector clients e.g. NASA, National Geographic Society and Socialcode (a Washington Post company.)
- Provide production operations support.

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>

- Research and recommend hardware for purchase.
- Install, configure and maintain server and desktop 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 and Expect software to support remote configuration of over 2,000 Cisco 2511 Access Servers, Equinox Terminal Servers, and Cisco Catalyst 1900/2820 Ethernet Switches.
- Developed Perl CGI software to support remote configuration of access servers with over 4 ingress T1 data lines via SNMP e.g. Cisco 5400, Lucent APX 8000, Nortel CVX 1800.
- Configured over 2,000 Cisco Access Servers, Equinox Terminal Servers and Cisco Catalyst Ethernet Switches.
- Installed and configured Debian Linux, Redhat Linux, Sun Microsystems Solaris Unix and Microsoft Windows workstations and servers.
- Configured Linux kernel to support myriad network interface cards.
- Researched and resolved complex network connectivity issues.
- Verified successful negotiation of TCP, PPP and L2TP protocols through dial-up connections between client programs and remote access servers.
- Performed maintenance on AOLNet and DialInx dial-up networks.
- Provided production operations support.

Charm Net

Systems Administrator

January, 1998 — August, 1998

<http://www.businesswire.com/news/home/20070125005632/en/DataPoint-Acquires-Award-Winning-Charm-Net>

- Managed 4 BSDI Unix servers for over 2,000 users.
- Installed and configured DNS, NFS, Sendmail, Apache, INN and Dump/Restore.
- Installed and configured hardware and software for streaming FM radio to the internet.
- Installed and configured BSDI Unix servers and Microsoft Windows workstations and servers.
- Provided production operations support.

Loyola University Maryland

Help Desk Consultant & Student Technician

August, 1996 — November, 1997

<http://www.loyola.edu/departments/technology-services>

- Provided telephone and in-person technical support to students, faculty, and administrators.
- Performed installation, maintenance, and trouble-shooting of hardware and software in labs, offices, and dormitories.
- Installed and configured Sun Microsystems Solaris Unix, Slackware Linux, Redhat Linux and Microsoft Windows workstations and servers.
- Provided production operations support.

Education

Bachelor of Science in Computer Science

Loyola University Maryland

January, 1999

<http://www.loyola.edu/academics/computer-science>

Volunteer

Pillow

Fork Author & Project Leader

July, 2010 — Present

<http://python-pillow.org>

- Forked popular Python Imaging Library (PIL) software to create frequently-updated and well-maintained version.
- Foster growth of core development team from single member to five members over five years.
- Write and submit grant proposal to fund Python 3 compatible version of Pillow; sent to Python Software Foundation February 28, 2013; passed unanimously on March 4, 2013.
- Implement and manage quarterly release schedule.
- Continuously oversee development to ensure best possible quality of releases.

DC Python

Co-Founder & President

2008 — Present

<http://dcpython.org>

- Co-founded 501(c)(3) non-profit organization to promote & support Python software in DC.

Parkwood Residents Association (PRA)

Webmaster & Executive Committee Member

2014 — Present

<http://parkwoodresidents.org>

Publications

Plone 3.3 Site Administration

PACKT Publishing Limited

July, 2010

<https://www.packtpub.com/web-development/plone-33-site-administration>

"Manage your site like a Plone professional."