

# Philip J. Allen

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## Summary

An IT specialist with more than 19 years of experience. Brings a strong knowledge of systems administration, technical support, network infrastructure, security and exploit techniques, programming and an exceptional ability to troubleshoot.

## Professional Experience

**Self Employed, Consultant**, Sacramento, CA

**2015-Current**

*Part-time IT Consultant/Contractor*

Advised small business owners on technical solutions and infrastructure to meet their business needs. Providing expert recommendations and deployment for centralized authentication, email, file storage, remote access, system installations and data migrations. Ensuring the solutions were compatible in cross platform environments including their desktops and hand held devices.

- Deployed workstations with fresh installations of the Operating System and applications utilized by the businesses.
- Provided cost effective models for file sharing and remote access. Utilizing free and open source software and low cost hardware solutions.
- Migration of user email to Office 365 providing centralized task management, calendars and shared mailboxes.

**UC Davis**, Davis, CA

**2007-2015**

*Programmer III Security and Systems Engineer*

*Programmer III System Administrator, Programmer, Technical Supported*

*CRS II Systems Administrator and Technical Support*

Hired on as a full time technical specialist to provide systems administration in addition to supporting staff and senior management. Meeting and exceeding expectations by providing exceptional support, quickly moving up in responsibilities and title after senior management took notice of my abilities.

- Designed, documented, implemented and maintained centralized authentication systems (Active Directory, Kerberos, LDAP, CAS) consolidating IT staff workload by standardizing images for workstations, automating user configuration and on boarding processes.
- Created secure remote access environments utilizing VPN and SSH Tunnels to encrypt data for RDP, SMB/CIFS shares and other departmental services behind the DMZ.
- Developed and maintained virtual environments running VMware and Hyper-V reducing the overhead from physical servers saving thousands of dollars on hardware costs and maintenance.
- Supported and deployed hardware firewalls/routers and switches by configuring routing tables, managing VLANs, analyzing network traffic, running cables and monitoring connectivity.
- Performed security audits for PII, vulnerability scans, Intrusion Prevention System analysis, improved ingress and egress filters.
- Initiated lifecycle, from purchase to retirement, maintenance and repair strategy for printers, fax machines, typewriters, microfilm, microfiche and magstripe encoders and readers. Resulting in less support, less downtime and overall support response and resolution time.

**Consolidated Streaming**, Boca Raton, FL

**2005-2007**

*Lead Web Application Developer*

Began working on small projects such as web forms, user input validation working my way up to larger projects merging user interfaces with forums, recurring billing modules, free trials, advertisement tracking, collaborative work areas, on the fly image manipulation, and video streaming. Continued work with larger groups handling project management and combining modular code from different sources from developers in other countries.

- Developed security routines to handle input processing adhering to the OWASP Top 10. Securing against Injections, Cross-Site Scripting (XSS), Cross-Site Request Forgery (CSRF), etc. ensuring the integrity of the web applications and data security.
- Integration with API from common online payment gateways like PayPal creating one time payment and recurring payment systems.
- Exemplary time management working from a remote home office and collaborating with programmers from all over the world in multiple time zones.

## Experience Overview

VMware design and support	4 + years
Windows Server deployment and support	9+ years
Exchange Server and Office 365	5+ years
Server hardware installation	12+ years
Linux Server deployment and support	13+ years
Administration of TCP/IP-based services	15+ years
Programming and Development	4+ years

## Technical Proficiencies

### Operating Systems

- MS Server 2012, 2008, 2003
- MS Windows 10, 7, Vista, XP
- Mac OSX
- Linux
- Solaris

### Server Applications

- VMWare, MS Hypervisor, VirtualBox
- Apache, IIS, Sun ONE/OiWS
- Active Directory, Group Policy Management/GPO, Kerberos, LDAP, Samba, NFS, BIND, CAS, PAM
- Exchange 2013 2010, Office 365, Postfix, Sendmail
- WSUS, APT, YUM
- Nagios, Smokeping, OpenAudit, Xymon
- SQL Server (Oracle, MSSQL, MySQL, PostgreSQL)
- Logwatch, Denyhosts, Fail2ban
- IPFW, IPTables, WIPFW

### Network Software/Protocols

- VPN, SSH, SSH Tunnels, RDP, Terminal Services
- TCP/IP, Subnet, CIDR, IPv4/IPv6
- DHCP, DNS, FTP, SCP, SFTP, Telnet
- Wi-Fi technologies (802.11 a/b/g/n)
- HTTP, HTTPS, IMAP, POP3, SMTP, MAPI, NTP
- LAN/WAN

### Network Routing Equipment

- Juniper Networks, Cisco, WatchGuard, Bay Networks/Nortel
- CAT 5,6 RJ45,RJ11 Crimping, Punch Down, Installation, Testing
- IPS, Firewalls, Routers, Switches, Hubs

### Applications

- MS Office 365, 2016, 2013, 2011, 2010 (Word, Excel, PowerPoint, Outlook, Access, Visio)
- Nmap, Wireshark, Netcat, Nessus, iPerf
- TSK/Autopsy
- Autoruns, MSConfig, CCleaner, Process Explorer
- AntiVirus (Security Essentials, Forefront, Sophos, AVG, McAfee, Norton)
- Anti Malware (Spybot, Malwarebytes)

### Programming

- PHP, ASP, ColdFusion
- VBS, Batch, C#, Powershell
- Shell Scripting (Korn, BASH)

### Printers, Copiers, Peripherals

- HP, Dell, Xerox, Canon
- GDI, PCL, Postfix, LPR/LPD