David R. Chapman

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# Summary

IT consultant in Northern California with over 20 years of experience.

Specializations include IT security, systems engineering and administration of physical, virtual, and cloud-based Microsoft Windows and Linux servers, Microsoft Active Directory, Microsoft Exchange, and Microsoft-UNIX integration.

# Experience

## Objective Business Systems - 3/22/2004 to Present

### Sr. Consultant

* Consult with clients and prospective clients to design, install, maintain, and resolve issues with customized business-oriented solutions for network, security, and information systems

### California Secretary of State

* Designed, built, and administrated the highly available, highly secure, infrastructure for the high traffic cloud-based 2018 Election Results Website as infrastructure as code using DevOps practices

### California Association of School Business Officials

* Designed and built hybrid cloud/on-premises Microsoft Windows Server 2016 Active Directory environment in Azure and Hyper-V

### Advisory Group

* Designed, built, and supported multiple web sites with HTML5, CSS3, and Python hosted in AWS

### Pacific Engineering

* Designed and implemented highly secure Microsoft Office 365 environment

### Quest Technology Management

#### Sr. Systems Engineer - 8/15/2011 to 5/9/2016

* Designed, built, and supported highly available multi-site external DNS Infoblox/BIND environment on CentOS Linux with Ansible
* Consulted with managed services clients and prospective clients to design, install, and maintain customized business-oriented solutions including VMware vSphere virtualization environments, Microsoft Windows Server and Active Directory, Microsoft Exchange, Office 365, and Linux Server environments.
* Worked with clients to resolve issues with and maintain existing systems

#### Superior Court of California

* Planned and performed long term network traffic packet capture at multiple sites in the Sacramento and datacenter network
* Performed extensive network traffic analysis to resolve application performance issue
* Documented and presented findings and recommendations to management
* Worked with network staff to implement SPAN port configuration changes in Cisco switch environment

#### CalPERS

* Reviewed the CalPERS enterprise WAN/LAN network architecture to assess performance and availability
* Documented network architecture and operational procedures of network infrastructure team
* Documented and presented findings and recommendations to management

#### Pacific Coast Producers

* Implemented and deployed enterprise wide virtualization pilot program using VMware

### EMC Corporation

* Configured and deployed EMC Application Discovery Management Platform (ADM) devices in client network environments
* Worked with clients to implement SPAN port configuration changes in Cisco switch environments
* Developed system for generating custom reports using Python scripting

### Objective Business Solutions

* Built and supported Microsoft Active Directory and Windows Server infrastructure with IIS and Exchange for corporate and customer environments
* Configured Cisco switch and router network with secure VLAN and DMZ access between corporate and customer environments
* Configured Cisco firewall with multiple DMZ configuration to partition corporate and customer enterprise environments with RADIUS integration to Active Directory for end-user access

### Finale Business Solutions

* Conducted security assessment to verify HIPPA compliance

### SGS Testcom NGET Project

* Built and supported Microsoft Active Directory and Windows Server infrastructure to support end-user workstations
* Built and supported SUSE Linux server infrastructure to support application and Web services environment
* Built and supported Novell E-Directory identity management system for multiple platforms to support application and Web services environment
* Built and supported multiple site IPSec VPN WAN with Cisco firewalls with RADIUS integration to Active Directory for end-user access

### Kenai Systems, Inc

* Built and supported Microsoft Active Directory and Windows Server infrastructure
* Built and supported SUSE Linux server environment for application development and testing
* Configured Services for UNIX to support SUSE Linux server authentication to Active Directory
* Installed and configured Cisco firewall and IPSec VPN with RADIUS integration to Active Directory for end-user access

### Compassoft Inc

* Supported Red Hat Linux server environment for application development and corporate use with centralized authentication for Linux servers and workstations, and Microsoft Windows workstations
* Migrated infrastructure to Microsoft Small Business Server
* Installed and configured Cisco firewall and IPSec VPN with RADIUS integration to Active Directory for end-user access

## Captus Networks, Woodland CA - 2/19/2001 to 3/22/2004

### Systems Engineer

* Supported successful sales through extensive, direct contact with enterprise and service provider customers
* Designed, and installed intrusion detection and prevention solutions in client environments
* Consulted with clients and prospective clients to provide network analysis and profiling to secure critical IT resources and ensure network performance
* Developed customized solutions for performing network and security analysis using open source tools
* Developed best practices model for successful deployment of intrusion detection/prevention solution in customer networks
* Conducted extensive intrusion detection/prevention system tests using publicly available hacker utilities, open source tools, and scripting
* Directed and co-authored product user’s guide
* Administrated of Microsoft Server and Active Directory domain and Linux server environment

# Skills

**Amazon Web Services:** Amazon Linux 2, Certificate Manager, CloudFront, CloudFormation, CloudTrail, CloudWatch, ElastiCache (Redis), Elasticsearch, ELB, GovCloud, IAM, RDS (MySQL), Route 53, S3, SNS, SQS, Systems Manager, VPC, VPN

**Cloud Platforms:** Amazon AWS, Microsoft Azure

**DevOps:** Ansible, AWS Systems Manager, AWS CloudFormation, Git, Infastructure as code

**DNS Systems:** BIND, Infoblox, Microsoft DNS Server

**Linux Server:** Ubuntu, Debian, Amazon Linux, RHEL/CentOS, Fedora

**Linux Services:** Apache, BIND, MySQL, PHP, Python, Postfix, Varnish

**Microsoft AD:** Active Directory 2000 to 2019

**Microsoft Exchange:** Exchange 2003 to 2013

**Microsoft Services:** Exchange, IIS, SQL Server, Hyper-V

**Microsoft-UNIX Integration:** Multi-Platform Authentication and Directory Services

**Microsoft Windows Server:** Windows NT to Windows Server 2019

**Network Enumeration**: Nmap, Nessus, eEye Retina

**Network Troubleshooting:** TCPDump, Wireshark, Etherpeek

**Productivity Platforms:** Microsoft Office 365 (GCC-High), Google G Suite

**Scripting:** Microsoft PowerShell, UNIX Shell Scripting, Python

**Virtualization:** VMware vSphere ESX(i) 4.0 to 5.5, Microsoft Hyper-V

**Web:** HTML5, CSS3, Python, Drupal CMS, MySQL, Apache, Varnish

# Certifications

**ISC2:** CISSP #54794

**Amazon Web Services** AWS Certified Solutions Architect - Associate (SAA) #T9SRW4MKM1FQ1PCS

**Microsoft:** MCSE

**CompTIA:** A+, Network+, Security+

**Linux Professional Institute:** Linux Essentials

# Education

B.A. UC Berkeley