

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, Infrastructure 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