

Brandon R. Brown

MSBA PMP CISSP CCNP PhD Candidate

Curriculum Vitae

Coastline College

Computer Services Technology Department

Publications:

From the Campus to the Conference "A Case Study in the Design and Development of Cyber Contests for Professional Conferences" – Prof. Brandon R. Brown Ph.D. PMP & Ron Pike Ph.D. EDSIG Conference - Nov. 2018

IT Infrastructure Strategy in an Undergraduate Course - – Prof. Brandon R. Brown Ph.D. PMP & Ron Pike Ph.D. EDSIG Conference - Nov. 2018

Courses Taught:

CST 158 Server +
CST 231 Advanced Security Practitioner
CST 232 Ethical Hacking
CST 233 Cyber Competitions
CST 255 Cyber Security Analyst

California State Polytechnic University Pomona

College of Business

Computer Information Systems Department

Publications:

Amazon Supply – Friend or Foe – Prof. Brandon R. Brown & Prof. Charles Bennett
Infor Press – Sept. 2014

Conferences:

CETPA – 2015 – Security in K-12 Education or What the Kids call Hacking Today
Dec. 2015

B-Sides Los Angeles 2015 – Outlining Security Trends in K-12 Education
Oct. 2015

CETPA – 2013 – Security Concerns from the IT Staff Perspective for K-12
Nov. 2013

Wireless Telecommunications Symposium (WTS) 2007 – member of panel on Wireless Security Technology and Trends
April – 2007

Wireless Telecommunications Symposium (WTS) 2006 – member of panel on Wireless Security Technology and Trends
April - 2006

Courses Taught:

CIS 4670 Network Security
 CIS 4710 Information Security
 CIS 101 Introduction to Micro Computing
 CIS 307 Business Telecommunications
 CIS 310 Management Information Systems
 CIS 347 LAN / WAN networking
 CIS 437 Fundamentals of Network Management & Design
 CIS 447 Linux Administration
 GBA 557 Advanced Data Communication (Graduate Class)
 GBA 577 Advanced IT Auditing (Graduate Class)
 GBA 578 Security and Privacy of Information Systems (Graduate)
 GBA 636/637 Advanced Project Management (Graduate Class)

Service Projects:

Developer of Telecommunications Case Study for Student Proposals for the
 Information Technology Competition -2008
 Developer of Telecommunications Case Study for Student Proposals
 Adjudicator and Advisor to Judging Panel for Competition

Western Region Collegiate Cyber-Defense Competition – 2008, 2012
 Faculty Advisor / Coach

Western Region Collegiate Cyber-Defense Competition – 2009, 2010, & 2011
 Project Manager in Charge of Network Planning

Southern California Cyber Defense Invitational – 2009, 2010, & 2011
 Project Manager in Charge of Overall Competition

Cal Poly Pomona Cyber Defense “League Sand Lot” – Fall 2011 Inaugural Season
 Primary System Developer and Architect

Development of Hands-on Networking Lab for Cisco Systems laboratory equipment
 Advisor and Project Developer to Sr. Project Teams 2007-2014

California State Polytechnic University Pomona
College of the Extended University
Courses Taught:

PMP – Online Program in 5 separate courses	7 Years
Overview, Project Initiation & Professional Responsibility	
Project Planning	
Project Execution	
Project Monitoring and Control	
Project Closure	
 Professional Development Courses – Through CEU & The Center for Information Assurance	 5 Years
 PMP – Online and Self-Paced as above	 2 Courses

Network Security	2 Courses
CISSP Preparation Course	4 Courses
Telecommunications & Network Security	
Cryptography	
Access Controls	
Security Architectures	

Axia College
College of Business

Courses Taught:

Fundamentals of IT Project Management	4 Courses
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Professional Summary

- 22 years of experience in the IT industry. 10 most recent years working in upper & executive management implementing business controls, workflows, architecture, and strategic initiatives with an emphasis on analyzing and mapping organizational requirements to technology needs.
- Extensive, Hands-on background including extensive experience with major vendor lines to include Citrix, Microsoft, Dell, EMC, Cisco, Palo Alto, Juniper, Checkpoint, Fortinet, and others.
- Previous Call Center experience building networks of up to 9000 seats in three countries where world-wide telecommunication principles were the cornerstone to success.
- Provided project management and business development guidance on ERP, SIS and LMS0 systems such as PeopleSoft, SAP, MS Dynamics, Blackboard, Aeries .This included extensive system analysis and project management engagement.
- Excellent high level troubleshooting skills for the streamlining of processes for performance improvement.
- Extensive knowledge of IT Service and Support models including ITILv3, Six Sigma, Managed Service, Cloud Strategy along with tools, methodologies and help desk related offerings.
- Proven ability to work in diverse environments and with accessibility programs.
- Outstanding documentation skills with an emphasis on attention to detail.
- IT Audit experience with a Big 5 accounting firm. Experience with Health Insurance Portability and Accountability Act (HIPAA), Sarbanes Oxley Act (SOX), Family Educational Rights and Privacy Act (FERPA), Children’s Internet Protection Act (CIPA), and Payment Card Industry (PCI) compliance models.
- Extensive Cyber Security Knowledge and Background to include penetration testing, sandbox modeling, red teaming, policy analysis, and social engineering exercises.
- Hands on technical skills. Willingness to “deep dive” into complex issues to develop root cause analysis profiles and analyze them for the best possible outcome of the end customer.
- Extensive hands on work with networking, wireless, voice, security and Operating System platforms.

Professional Experience

Business Datalinks, Pomona, CA

2014 to Present

Director of IT and Security Services Practice

Hired to develop department into a profitable business unit.

Key Contributions:

- Developed practices for IT Network, Systems, and Security services for over one hundred clients nationwide.
- Project managed ERP implementations, outside security audits including penetration testing with open source and commercial tools.
- Performed Audits for customers to include cyber security, to disaster recovery preparedness.
- Scoped and managed projects that included new large scale network, virtualization, SAN, and system rollouts. This included “hands-on” work with system, network, and security platforms to ensure their operation and documentation.

- Worked on strategic business strategies to migrate services to the cloud for enhanced continuity.
- Worked in consolidated group to enhance ERP system and explore options for replacement of said system.
- Provided total cost of ownership overviews for clients including projects involving complex technologies such as VoIP, Cyber Security Practices, and Disaster Recovery Planning and Implementation.
- Maintained budgets and TVM (Time Value of Money) calculations for projects and routinely communicated project health to upper management and project stakeholders.
- Drafted and carried out disaster recovery test plans for services (E-Mail, IP Telephony, Collaboration, Telepresence, and customer monitoring).
- Provided Incident Response support for customers including malware analysis and network forensics support.
- Served as Tier III Sr. Network & Security Engineer for Support Group

City of Rancho Cucamonga, Rancho Cucamonga
Sr. Network Analyst

2013 to 2014

Hired as a contractor to fill vacancy before duties were taken over by Managed Services Firm. Devoted as a full-time network engineer in charge of multiple duties and projects.

Key Contributions:

- Led the City's IT Strategic Planning group and completed their "IT Master Plan"
- Worked in supporting the department's goals of meeting deadlines for implementation of Automation (ERP) project.
- Managed and maintained a complex enterprise network of over 600 end devices to include 100+ switches, 20+ routers, 12 firewalls, and 70 lightweight access points. Managed incident response for intrusion prevention systems and maintained its signature database as well.
- Led projects through all phases of project management to include initiation, planning, execution, monitoring / controlling and closure. Maintained accurate and concise budgets for projects and communicated them to upper management.
- Responsible for crafting budgets for network growth and expansion.
- Provided day to day administration of large enterprise network with multiple data centers.
- Completed a City wide audit and assessment of network security, resiliency, and compliance and VoIP readiness.
- Acted as lead for Network Forensic support and participated on the incident response team.
- Organized in collaboration with the six top security appliance vendors a Unified Threat Management Workshop that was interactive for the public yet focused for businesses and organizations of all sizes.
- Troubleshoot complex routing and switching issues with BGP, Spanning Tree, EIGRP, and Quality of Service (QoS).

California Polytechnic State University – Pomona, Pomona, CA
Adjunct Professor / Lecturer

2006 to Present

Teaching of technology oriented and project management classes. Served on numerous committees for cyber defense competitions, outside consultancy and curriculum development.

Key Contributions:

- Organized, designed, implemented and supported several networking projects including the Inaugural Western Regional Cyber Defense Competition (WRCCDC), the Inaugural Southern California Cyber Defense Competition and the planning, design, implementation and support of the College of Business's new Telepresence Initiative and Platforms.
- Provided technical expertise and cases for several Information Technology Competitions (ITC)
- Adjunct Professor in the Computer Information Systems Department and the Technology & Operations Management department.
- I organized, planned and managed the curriculum of the Network Security and Project Management courses and collaborated on the CISSP and Linux courses used by the University's Center of Academic Excellence which is certified by the National Security Agency (NSA).
- Worked heavily in teams for ERP system improvements.
- Designed, Implemented, and managed complex systems for cyber defense competitions.
- Collaborated with the FBI and their professional organization Infragard for disaster recovery and business continuity table top exercises.
- Managed projects ranging in size from several hundred thousand dollars up to one million dollars. Provided leadership for project teams up to 10 individuals in size with different skill sets and levels for technology projects.

Network Integration Partners Inc., Rancho Cucamonga, CA
Director of Managed Services

2010 to 2013

Hired to develop department into a profit center and successful business practice.

Key Contributions:

- Turned around failing department and implemented measures to improve customer satisfaction.
- Completed end to end IT audit of key systems and networks. Drafted company's disaster recovery and business continuity plans and tested them during pre-planned, scheduled outages.
- Performed Audits for customers to include cyber security, to disaster recovery preparedness.
- Scoped and managed projects that included new technology platforms for telecommunications, monitoring, and management. This also included the establishment

of best practice models from the Managed Services and Technology communities for customers in the healthcare space.

- Worked on strategic business strategies to migrate services to the cloud for enhanced continuity.
- Worked in consolidated group to enhance ERP system and explore options for replacement of said system.
- Provided total cost of ownership overviews for clients including projects involving complex technologies such as VoIP, Cyber Security Practices, and Disaster Recovery Planning and Implementation.
- Maintained budgets and TVM (Time Value of Money) calculations for projects and routinely communicated project health to upper management and project stakeholders.
- Drafted and carried out disaster recovery test plans for services (E-Mail, IP Telephony, Collaboration, Telepresence, and customer monitoring).
- Assisted with market analysis and RFP response strategies for improved business success
- Served as Tier III Sr. Network Engineer for Support Group
- Measured year over year 150% improvement in revenue, a 25% higher customer satisfaction survey score for the department and improved employee satisfaction by over 50%. This resulted in a more motivated work force within the department.
- Managed Projects in size from several hundred thousand to several million dollars in budgetary scope. In these, I led teams of technology and business process professionals in size from three to twelve individuals.

Network Security and Project Management Consultant – Techlink Resources (Paramount Pictures) 2010

- Contract PM and IT Network Engineering Consultant for Paramount Pictures
- Managed Global Telecommunications and Video Conferencing projects.
- Supported Telecom Operations for one of the largest production facilities in Hollywood CA.
- Integrated secure voice applications with traditional analog systems.
- While assigned to these projects, led a wide variety of technology professionals at all levels.
- Provided networking and network security support for implementation of new firewalls and intrusion prevention systems.
- Worked with high profile access management systems to ensure physical security for lot operations.
- Worked within budgets to provide effective network and telecommunication resources to multiple productions.
- Collaborated with executive management for incorporation of cyber security rules for staff.

SIGMANet Rancho Cucamonga, Ontario, CA
Sr. Project Manager, Sr. Network Engineer

2007 - 2009

Hired to develop and manage a Managed Services Practice.

Key Contributions:

- Managed Services for the Advanced Technology Solutions group of this top tier solutions provider in Southern California, I oversaw several areas of the day to day operation with a staff of over 30.
- This included aspects of the Project Management Office, Network Operations Center, Service Desk and internal Information Technology groups for the division.
- Implemented Cisco Unified Call Manager, Unity, IPCC Contact Center (Express and Enterprise)- End Customers were - Skyworks(Orange County & Shanghai China), Pacific Western Bank (45 locations around Southern California to include 50 Contact Center Agents),
- Duties also included the development of best practice methodologies for aspects of the entire division, adherence to accepted industry standards, appliance and renewal of certification and accreditation with business partners and industry governance entities.
- Control of business development and coordination with corporate MIS for the development and roll-out of systems for the streamlining of operations, this included the development and roll-out of SharePoint services, work-flow development for MS CRM and Microsoft Dynamics as their standardized ERP system.
- Additional support for the PMO included the development of junior project managers and their mentoring to attain CAPM and PMP certifications.
- Internal Audit offerings for both the inside operations and as a capability to augment clients was put into practice during the first three months of my tenure and this has developed a highly efficient entity that is capable of engaging, overseeing and managing customer expectations and needs for the successful completion of their projects, documentation, and consulting needs.
- Finally, as part of my duties, I would often backup Sr. Network Engineers on deployments of voice, video, security, wireless, routing and switching projects.
- These engagements highlighted my flexibility to balance technical hands on experience with project management and organization duties.
- Led project teams in a wide array of project types from VoIP, IT Security, Business Continuity, and LAN/WAN. Project scopes ranged from the tens of thousands of dollars up to eight million dollars.

Nexus IS, Tustin, CA
Managing Consultant
Sr. Network Engineer

2004 to 2007
2005 to 2007
2004 to 2005

Hired as a Sr. Network Engineer. Promoted to Managing Consultant for Southern California

Key Contributions:

- Managing Consultant for Post Sales Engineering for the Orange County office of this Cisco System's Gold Partner.
- These duties involve the day to day and long term management of IP telephony implementation projects for a team of 13 individuals with varying skill sets that include Routing & Switching, Network Security, IP Telephony, Database processing, Project Management, and Voice Messaging.
- Implemented Cisco Unified Call Manager, Unity, IPCC Contact Center (Express and Enterprise) - End Customers were - Corinthian Colleges (Contact Center Campus in Tampa Fl. with 500 Seats this was IPCC Enterprise) Broadcom, (This was a Migration to their new campus in Irvine with over 2000 phones and IPCC express.) Schools First Federal Credit Union (This was a large roll out to over 25 locations around Southern CA with a 500 seat IPCC Enterprise Contact center with voice recording, IVR, outbound calling and full redundancy).
- Prior to this post, I was the Field Engineering manager for the Southern California region overseeing the day to day tasks of the Sr. Network Engineers for four regional offices.
- My responsibilities included the scheduling of these engineers to projects all over southern California. In addition to my managerial duties, it was necessary to work on projects from a hands-on and project management perspective.
- This included IP telephony integration, LAN/WAN deployment, wireless deployments, and security system roll outs.
- Finally, I worked with external contractors on IT audits lending technical expertise to assist with PCI-DSS, SOX and HIPAA audit preparations for our clients.
- Worked with internal resources for the enhancement of project management (MS Project Server) and ERP systems MS Dynamics and later SAP).
- Led the Program Management of the Southern California office with a portfolio of projects that peaked up to fifty million dollars in size. Led a project group of twenty direct reports.

eTelecare International / eTelecare Global Solutions, Monrovia, CA
Sr. Network Engineer

2001 to 2004

Hired as a Sr. Network Engineer and Chief Network Architect.

Key Contributions:

- My duties included day-to-day support and maintenance of their global data communications infrastructure.
- Implemented Tandberg Management Suite Videoconferencing and managed for two years.

- This infrastructure included High-end Cisco voice gateway routers, Lucent ATM switches, and various network switches, and network management equipment and software. Additionally, my ability to design for future expansion of data and call centers proved instrumental to fulfilling business needs.
- Many issues with VoIP, network management, security, and capacity planning have been resolved during my tenure with eTelecare that has had a direct impact on their operational goals.
- During my tenure, I implemented the company's VPN architecture using Cisco VPN concentrators, ACS servers, and IDS devices. As part of this project, I also drafted and helped to roll out the organization security policy as there was no CISO in place at that time.

Arthur Andersen, Cypress, CA

1998 to 2001

Network Engineer

Hired as a Network Engineer in support of Legal Services Division.

Key Contributions:

- Responsible for the design, implementation and support of several large client WANs dedicated to legal discovery phases of ongoing litigation.
- The performance of these networks and their security was paramount.
- As the WAN manager, my duties were to perform routine maintenance, circuit analysis with the use of Network Management utilities, network design and its associated research, Dial-in access accounting via TACACS servers and security auditing of firewalls and associated applications.
- Direct client interactions were carried out on a daily basis and routine travel to client sites was expected.

United States Marine Corps

April 1991 – Oct. 1998

The core of my skill set was learned under the direct pressures of military service. This experience and the shaping of my work ethic are in keeping with the highest traditions of this honored branch. My technical achievements include recognition by Regimental and Division commanders; leadership of an elite team of IT marines who trained in counter IS terrorism at the forefront of Cyber Warfare. Additionally, I designed mobile networks which could be shipped, deployed, and ready to use anywhere around the world in less than 24 hours, no matter what the climate. Finally, I held a Top Secret Clearance as a service member who handled cryptographic material at the Regimental and Division levels.

Special Qualifications

- National Security Agency's Systems Security Certificate
- NSTISSI 4011 & 4012 designations
- Cisco Certified Network Professional (CCNP)
- Training Through Cisco's Advanced Troubleshooting and PBX Integration Courses
- Attended CCIE Level Training Boot Camps
- Certified as CISSP & PMP (Certificates available upon request)

Education

PhD in Information Assurance

ABD qualification at the completion of Compressive Exams in spring 2012
Capella University Degree anticipated after Dissertation in the spring of 2016

GPA 3.83

Masters of Science in Business Administration in IS Audit (Fall 2000 – Winter 2003)

California State Polytechnic University Pomona

GPA 3.8

March 2003

Bachelors of Business Administration in Computer Information Systems (1996-98)

Campbell University, Buies Creek, NC

GPA 3.46/3.62

December 1998

Associate of Arts in General Education (1995-96)

Campbell University, Buies Creek, NC

GPA 3.52

August 1997
