

ERNEST CORREALE

5133 Hildreth Ct • Concord, NC 28025
434-363-1708 • ecorreale@me.com

~ SENIOR SYSTEMS ADMINISTRATOR ~

RESPECTED ENGINEER with a Top-Secret DoD clearance and a distinguished career leading systems implementation, optimization and troubleshooting, possessing a proven track record of excellence in anticipating potential technical problems, identifying emerging needs, and resolving/deescalating issues.

GIFTED LEADER recognized for successfully implementing best practices in a wide range of mission-critical applications and systems. In depth experience with business process automation using Visual Studio, and C#. Expanding background with TypeScript, REACT, and Ajax technologies, SharePoint SPFx development for on premise and SharePoint Online.

EXTENSIVE EXPERTISE in a wide range of technologies including Active Directory administration, Exchange email support, systems and network security, TCP/IP traffic analysis, DNS, DHCP, and LAN-WLAN design. Demonstrated abilities in handling multiple projects simultaneously, meeting tight deadlines and working in a fast-paced technical environment.

ACHEVEMENTS

- *Ability to quickly adapt to changing conditions and requirements as well adopt new technologies.*
- *Experience with SharePoint design, deployment, and migrations of 2007 – O365 using Metalogix and ShareGate tools.*
- *Strong track record for optimization and streamlining of IT systems and processes resulting in considerable cost savings.*
- *Extensive experience with SharePoint, IIS, ADFS, Apache, and web applications.*
- *In depth experience with Windows Servers, VmWare, Server Patching, Active Directory, and Group Policy management.*
- *Served as Project technical lead for numerous security enhancements, including the deployment of Microsoft Certificate Services, PKI enterprise deployment, multifactor desktop login (CAC), and CheckPoint VPN/Firewall.*
- *Background includes extensive work with PKI deployment using Active Directory Certificate Services supporting Cisco 802.1x network access controls.*
- *Successfully deployed proof of concept for certificate-based MFA authentication (CAC) for operations team at BWXT.*
- *Very strong skills with PowerShell and system automation.*
- *Ability to see the big picture and understand how systems interact and depend on each other. Combined with excellent problem isolation and resolution skills, I can quickly and efficiently troubleshoot existing systems or implement new systems in a reliable, timely, enterprise-class fashion.*
- *Personally recognized by VP of communications for outstanding accomplishments and problem solving during multi-farm migration into a single manageable multi-terabyte corporate intranet.*
- *Received repeated accolades after successfully relocating the corporate datacenter and all users to a new manufacturing facility in Saint Petersburg Florida with no interruption to production systems or users. Project was completed ahead of schedule and under budget.*
- *Successfully integrated Microsoft Cognitive Services into SharePoint on premise search queries greatly improving search result accuracy and relevancy within SharePoint.*
- *Authored custom application in C# to manage data collection from legacy manufacturing equipment into SQL databases with MS Reporting Services for data analysis. Allowed engineers to manage data collection, reporting, and notifications for 40 discrete manufacturing systems. This greatly improved their ability to forecast production, significantly reduce waste, and track production activities in real time as well as supporting historical review of data.*

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PROFESSIONAL EXPERIENCE

O365/SharePoint Solutions Consultant, IncWorx Consulting Remote March 2019 – Present

- Performed and assisted with SharePoint support and migrations primarily using Sharegate.
- Performed extensive work with clients in troubleshooting complex SharePoint environments.
- In addition, maintained Azure, Active Directory, Domain Controller upgrades and.
- Certificate Services PKI support and deployment for enterprise clients.
- Deployed and/or repaired AD certificate services PKI for various clients.
- Provided team with several SharePoint administration and migration utilities using PowerShell.
- Development of SPFx Web Parts with Typescript, REACT, jQuery and Ajax for SharePoint Online and SharePoint on Premise.
- Enjoyed frequent involvement in performance optimization and troubleshooting at the request of other staff members.

Systems Analyst (SharePoint Architect), BWX TECHNOLOGIES, Lynchburg, VA April 2014 – March 2019

- Architect and deploy BWXT's SharePoint enterprise environment including K2, SharePoint, Workflow Services, Office Web App services, database management, server patching, and governance.
- Utilized jQuery, REST, and HTML scripting skills for client-side applications as well as SharePoint Designer for workflow.
- Significantly reduced SQL Server licensing costs through consolidation of resources and licensing optimization strategies. Assumed enterprise DBA role in addition to SharePoint role upon project completion.
- Resulting SQL architecture never experienced unplanned downtime in the four years following.
- Streamlined operations with automation at every level using PowerShell, Batch, and Perl.
- Introduced the first mobile application approved by BWXT's highly stringent Information Security team. Effort included requirements gathering risk analysis, form design, and user training.
- Extensive work with Information Security team in performing risk analysis and review of proposed systems.
- Realized significant savings after rearchitecting BWXT's Globalscape Enterprise file transfer system. Reduced required support from 3 or more hours per day to less than 3 hours per week.

Senior Datacenter System Administrator, TRAX, INTERNATIONAL, Lynchburg, VA April 2013 – April 2014

- Supported VMWare ESXi, Active Directory, Exchange, SQL Server, SharePoint, Cisco networking, and SAN storage.
- Successfully redesigned and managed Veritas backup systems for enterprise backup allowing organization to meet backup SLAs with existing equipment resulting in significant savings to the company.
- Performed and managed system deployments, upgrades, patching of servers and applications.
- Managed Active Directory forest, migrations, and associated services through multiple mergers and divestitures.
- Introduced documentation methodologies leading to the creation of an extensive repository of documentation for IT.
- Mentored and cross trained junior staff improving overall responsiveness, stability, and health of IT systems across the organization.

Premier Field Engineer, Joint DoD Agencies, MICROSOFT CORPORATION, CHARLOTTE, NC JUNE 2011 – April 2013

- Provided proactive support for SharePoint Services to Microsoft Premier Services for DoD.
- Position provided significant exposure to DoD procedures and policies for IT system management.
- Advanced technical troubleshooting of all aspects of SharePoint Services as well as pre-migration prep and support.
- I frequently relied on my broad background including Cisco switching, VmWare ESXi, Active Directory, SQL Server, Kerberos authentication, DNS, and Claims while assisting clients with previously unresolved issues.
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SharePoint System Architect, LEVANTURE, INC. WASHINGTON DC MAY 2010 – April 2011

- Consultant to the United States Army, Office of the Judge Advocate General.
- SharePoint design and evaluation for the deployment planning for global deployment of SharePoint services.
- Created extensive documentation, created SharePoint documentation component within Army A.K.O.
- Successfully developed proof-of-concept single sign-on authentication between SharePoint 2013 and Lotus Domino.
- Reverse engineered Army AKO claims systems and established guidelines to integrate Army A.K.O as a single sign-on authentication source for SharePoint 2013.

Senior Systems Datacenter Security Administrator HALKEY-ROBERTS CORP. SAINT PETERSBURG, FL JUNE 2000 – May 2010

- Lead Systems Engineer for overall datacenter security architecture, support, and deployment of enterprise solutions.
- Highly proactive in creating extensive documentation of all systems.
- Reduced staff requirements by mentoring junior staff empowering them learn and take on additional responsibilities.
- Managed patching, and daily operations of enterprise applications including Windows Servers, Linux Servers, Microsoft SQL Server, Active Directory, VmWare vSphere, and SharePoint.
- Extensive work with group policy management, intrusion detection, and overall network security.
- Architected Microsoft PKI environment for 802.1x wireless and wired access as well as electronic document signatures.
- Self-directed Checkpoint Firewall-1/VPN-1 certification followed by successfully deployment of Checkpoint Firewall-1/VPN-1 throughout the enterprise.
- Extensive use of Active Directory PKI Certificate Services for network access and digital signatures.
- Significantly reduced costs by performing datacenter migration to a new facility without the need for external consultants. Project was completed ahead of schedule and significantly under budget.
- Architected advanced wireless infrastructure providing ubiquitous Wi-Fi coverage throughout a 250,000 square foot manufacturing facility. Effort included extensive research and empirical testing followed by the physical deployment and tuning. Users reported this system was faster than being connected to CAT-5 at their old facility.
- Designed Cisco core network for Halkey's new datacenter using 3500 series switch gear, CAT-5, CAT-6, ST/SC Fiber, with distribution closets spread throughout the facility.
- Developed a highly successful Spam filter for use with Microsoft Exchange in C# when existing off-the-shelf applications were unable to meet our needs. This system was significantly more accurate and remained in place until Microsoft released its cloud solution.

PROFESSIONAL EDUCATION

Associate of Arts in Engineering ST. PETERSBURG COLLEGE

Computer Engineering Courses UNIVERSITY OF SOUTH FLORIDA

24-Week Web Development Bootcamp, University of North Carolina, Charlotte

Currently Enrolled

Member PHI THETA KAPPA INTERNATIONAL ACADEMIC HONORS SOCIETY

Member TAU ALPHA PI NATIONAL ENGINEERING HONORS SOCIETY

President ASSOCIATION FOR COMPUTING MACHINERY (ACM)

TECHNICAL PROFICIENCIES

Current and prior certifications:

- **ISC2 Certification:** CISSP #67232
- **GIAC Certification:** GCIH
- **Cisco Certification:** CCNA, CCDA
- **Check Point Certification:** CCSA