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SUMMARY

Private Cloud Architect and senior infrastructure leader with a 25+ year track record of driving large-scale hybrid and cloud modernization for enterprise environments. Expert in delivering strategic roadmaps, architecting robust Ceph storage and high-availability cloud ecosystems, and integrating DevOps and SRE practices to optimize performance and security. Known for leading cross-functional teams to consistently increase project velocity, streamline operations, and deliver resilient VMware, Proxmox and AWS solutions. Ready to leverage advanced technical and leadership skills to enable secure, efficient, and scalable cloud transformations for the next organization.

WORK EXPERIENCE

Ellumen, Inc.
Senior Systems Engineer
Orange Park, Florida **Mar 2026 - Present**

Senior System Engineer for the Standards and COTS Integration Platform (SCIP) contract for the Department of Veterans Affairs and Department of Defense. SCIP is a middleware hardware and software framework that provides a secure, bidirectional, real-time interagency exchange of clinical data and patient demographics between VA and DoD health information systems.

- Maintained and supported Red Hat Enterprise Linux (v8, v9) EC2 instances, building, patching, and applying STIG hardening to meet application and framework requirements, which kept the environment compliant and secure.
- Utilized Red Hat Ansible Automation Platform to support Linux and Windows EC2 instances and Oracle databases within the SCIP environment, streamlining configuration management and reducing manual effort. Wrote several Ansible playbooks for automating day-to-day operations as needed.
- Worked with the networking team to troubleshoot and maintain connectivity to the SCIP VAEC platform for VA and DoD users, ensuring reliable data exchange.
- Implemented monitoring with Oracle OEM and Zabbix across multiple AWS GovCloud environments, providing early detection of issues and improving system reliability.
- Managed code repositories in GitHub Enterprise Edition and maintained a Kanban project board, facilitating coordinated development and tracking of tasks.

Data Dimensions LLC
Private Cloud Architect – Infrastructure R&D Team Lead
Orange Park, Florida **Oct 2023 - Feb 2026**

Acting as a key technical advisor to the CIO, CTO, and VP of I&O, bridging the gap between business vision and infrastructure execution. Lead the architectural design and administration of open-source private cloud ecosystems, ensuring high availability and scalability for core software services.

- Partnered with the PMO team and executive leadership to define the private cloud and data-center design roadmap, translating business requirements into technical design specifications; standardized documentation and project workflows using Microsoft Teams, SharePoint, Jira Service Manager, and Confluence, improving team transparency and project velocity by 30%.
- Architected and managed mission-critical Ceph clusters on RHEL and Ubuntu platforms, implementing an open-source SAN solution with Cephadm and Ansible; designed custom monitoring scripts for SolarWinds, providing granular data analysis of cluster health and RADOS Gateway performance to ensure zero-downtime operations.

AREAS OF EXPERTISE

Cloud & Virtualization
- Hybrid & Multi-Cloud Architecture
- AWS Services & Ecosystem
- Server and Application Solutions
- High Availability / Disaster Recovery
- Private Cloud
- Cloud-based Deployments
- Cloud Migration
- Proxmox Virtual Platform

Infrastructure & Engineering
- CEPH Storage Implementation
- Capacity Planning & Optimization
- Site Reliability Engineering (SRE)
- Automation & Quality Scripting
- Infrastructure as Code (Ansible)
- IT Infrastructure
- Infrastructure Scaling
- Physical Infrastructure Architecture
- Cloud Infrastructure Management
- Infrastructure Management

Strategy & Leadership
- Cross-Functional Team Management
- End-to-End Migration & Integration
- Security Auditing & Compliance
- Strategy Alignment
- Offshore Teams
- Root Cause Analysis

Operating Systems
- HP-UX (C2 Trusted and Non-Trusted) 10.10 to 11iv2
- OEL v5, v6
- Ubuntu v18 to v24
- Debian
- Slackware Linux
- Solaris
- Windows Server
- Exchange Server
- Red Hat
- RHEL

Middleware Integration
- SSH/SFTP
- MQ Series
- Connect: Direct
- Microsoft BizTalk
- iSCSI
- NFS
- WebDAV
- COTS/GOTS Applications
- HAProxy
- NGINX

Security
- Active Directory (AD)
- SSSD
- GPO
- LDAP
- Nessus

- Spearheaded the transition to Infrastructure as Code by deploying Ansible and AWX for Canonical Ubuntu Linux and RHEL environments; engineered a library of playbooks for server patching, PO&AM and STIG compliance, Active Directory and user management, reducing manual configuration time by 40% across Dev/Test and Production environments. Utilized VMware vSphere and Proxmox for proof-of-concept needs as allowed.
- Integrated HashiCorp Vault to enable SSE-S3 / SSE-KMS encryption for Ceph S3 buckets. Designed a custom NGINX load-balancing solution for Ceph RGWs, providing secure SSL/TLS pass-through for encrypted S3 buckets.
- Developed a comprehensive Log, Monitoring, and Alerting (LMA) stack utilizing Ubuntu LXD / LXC, Graylog, Grafana, and Docker, providing real-time visibility into infrastructure health and security posture.
- Managed migration of the enterprise training ecosystem to Pluralsight Skills, negotiating with vendors to align features with team needs; upskilled 10+ engineers in automation and cloud-native methodologies, closing the technical debt gap.

Wipro Limited
Domain Architect, Practice Lead / SRE Director – DevSecOps
Orange Park, Florida **May 2022 - Jul 2023**

Provided technical leadership and direction in managing the Agile and DevSecOps business unit for site reliability engineering (SRE) in the digital transformation services (DTS) division of the Wipro FullStride Cloud to deliver managed services for production to clients. Inspired and led SRE engineers and architects in optimizing IT infrastructure/application-based solutions for hybrid cloud and on-premises projects.

- Developed SRE-related template and PowerPoint presentations through monitoring applications like DataDog and configuration management like Chef in liaison with partners; created flyer information for iDEAS division to help attract new clients to Wipro.
- Interacted with Wipro practice leads and regional heads for securing new deals/opportunities through RFPs and RFIs while acting as a subject matter expert for SRE-related activities and providing expert advice/guidance to different business stakeholders.
- Reinforced the iCORE division's IDSO Shell RFP response by outlining a proposal for a 250-person IT operations and SRE team and creating a comprehensive assessment and training plan, which enabled the client to approve the staffing model and move forward with the contract
- Designed cloud-based solutions by creating architecture diagrams with RHEL servers, selecting appropriate cloud services, and defining solution structures in collaboration with regional leaders and developers to meet organizational requirements, which improved deployment speed
- Created complex and scalable architectures by evaluating features of cloud platforms-including AWS, Microsoft Azure, and RHEL environments-and selecting the optimal platform based on performance, scalability, cost, and compatibility, which supported business needs for efficiency and cost control
- Optimized scalability of domain architecture by designing solutions that adjust to demand, enabling organizations to manage resources and deliver reliable services, and applying data center design principles for on-premises and hybrid deployments
- Prioritized the security of data, applications, and infrastructure by developing, implementing, and maintaining cloud solutions to protect the organization's cloud environment against unauthorized access, data breaches, and security threats.
- Led the EPRI project as DevSecOps technical architect, interpreting deliverables and forming sub-teams for security and collaboration; the project was delivered on schedule and satisfied all client security and compliance requirements
- Supervised three DevOps engineers on the DevSecOps workstream, providing project-management guidance and JIRA/Confluence training; the team met all sprint objectives ahead of the deadline

- Snort
- IPTables
- Centrify
- Vault

Cloud Services
- VPC
- SSM
- WAF
- EC2
- S3
- RDS
- CloudWatch
- AWS
- EBS
- Storage Encryption
- ELB

Virtualization
- VMware vCenter
- ESX/ESXi
- Red Hat XenServer
- Oracle OVM
- Amazon AWS
- Terramark (Verizon Hybrid Cloud)
- Ubuntu LXC/LXD
- Docker
- Proxmox

Programming
- UNIX Shell scripting (sh, ksh, bash)
- PowerShell
- Ruby (Chef)

Information Assurance/Auditing
- Retina
- SPAWAR SCAP
- AIDE
- Nessus
- Snort
- OpenSCAP

Configuration Management
- Ansible
- Puppet
- Chef
- Git
- Scalr CMP
- AWX
- Ansible Automation Platform

System Application Monitoring
- Oracle Enterprise Manager
- Datadog
- Nagios
- Cacti
- Splunk
- SolarWinds
- Zabbix
- LibreNMS
- Promethe
- Grafana

DevOps Automation
- GitHub
- GitLab
- Jenkins

Key Project Management

- Acted as solutions architect during evening shifts to resolve Azure service-catalog issues, reducing incident resolution time and improving overall service availability for the organization
- Directed a 30-member onshore/offshore DevOps team to finalize the Estée Lauder project, maintaining ServiceNow production and JIRA non-production tickets via Kanban, which ensured continuous service delivery and client satisfaction

GE Transportation, a subsidiary of Wabtec US Rail, Inc.
Staff Infrastructure Architect (Cloud Solutions Architect)
Orange Park, Florida **Dec 2016 - May 2022**
Appointed as a cloud solutions architect for leading the enterprise cloud infrastructure team (ECT) in adapting on-premises, hybrid, and cloud-based DevOps architecture/application for former General Electric (GE) Transportation and new Wabtec hybrid cloud. Headed the original DevOps engineering team for Amazon AWS cloud performance support to implement cost-out initiatives for COTS applications.
- Completed the 'Architecting in AWS' course and applied AWS services to build lab and production prototypes that enabled GE business units to adopt cloud solutions, reducing time-to-market for new applications
- Modernized the SDLC's cloud-based applications with speed, security, and cost-effectiveness using automation/deployment applications, such as Scalr, Chef, Git, GitLab, and Jenkins, for application teams' continuous integration/deployment (CI/CD).
- Facilitated the migration, maintenance, and support of Chef Automate, Chef Infra Server, and Chef Habitat environment for Windows/Linux platforms and Chef organizations while serving as automation architect to address complex issues promptly.
- Developed scalable, reliable cloud architectures that satisfied technical and business requirements and improved system availability
- Maintained and delivered cloud solutions in partnership with AWS for legacy GE and Wabtec units, leveraging VPC, CloudWatch, ELB, EC2, S3, and RDS to increase system uptime and streamline resource provisioning
- Efficiently enabled Amazon SQL RDS instances to establish 'Linked Servers' (distributed queries) connections with Microsoft SQL Server databases hosted on-premises by developing and implementing a streaming SQL proxy broker solution to meet technical project goals.
- Confirmed the smooth operation of cloud services/applications while serving as operations lead for enterprise cloud team to integrate the data operations center (DOC) three-team members to perform root cause analysis (RCA) using ServiceNow.
- Managed SOX compliance for the cloud environment, producing documentation and processes that passed audits and facilitated remediation with IA and cybersecurity teams

Cincinnati Bell Technology Solutions (CBTS)
Case Manager
Jacksonville, Florida **Jan 2016 - Nov 2016**
Supervised a team of 4-member crew and third-party vendor support teams in handling ServiceNow cases for all cloud team environments to improve operational effectiveness and ensure the timely escalation of all incident resolutions. Actively engaged the engineering team with multiple GE teams in researching and implementing solutions for high-priority incidents, requests, change tickets, and problem tickets.
- Cooperated with technical teams and subject-matter experts to troubleshoot applications, infrastructure, and projects, ensuring optimal technology performance and achieving a 95% client-satisfaction rating
- Managed technology-solution cases and projects, leading technical, customer-service, and operational efforts while using quality tools to identify improvements, which reduced issue-resolution time by 20%

- Agile
- Scrum
- Waterfall
- Microsoft Project
- Kanban
- JIRA
- Confluence
- ServiceNow

Business Acumen
- KPIs
- KPI Analysis
- Strategy
- SMART Goals
- Key Performance Indicators
- Performance Tuning
- User Engagement
- Budget Management
- Cross-functional Collaboration
- Root Cause Analysis
- RFI
- RFQ
- RFP
- HIPAA

EDUCATION

Camden Military Academy
Aug 1985 - May 1991
High School Diploma
Camden, SC
GPA: 3.85

- Streamlined and sped up transitioning projects from planning and development phases to operational stages in close collaboration with internal teams to reduce time to operations (TTO) project requirements to deliver value to businesses/clients.
- Cultivated the relationship between CBTS and clients by focusing on SLA reviews and troubleshooting, which improved client satisfaction and ensured services met agreed-upon standards
- Improved service-delivery processes and reporting, including SLAs and availability management, which increased on-time delivery by 15% while maintaining compliance with performance metrics
- Collaborated with GE security, compliance, and legal teams to document and track cases, resulting in timely implementation of actions that satisfied all regional and local requirements.

Senior Virtualization Engineer/Cloud Operations Engineer
Jacksonville, Florida **Aug 2014 - Jan 2016**

Acted as a virtualization engineer for providing DevOps architecture, consultation, support, and guidance for General Electric (GE) internal applications and commercial cloud environments to the company's clients. Selected as a buffer for operations with GE customer-facing and platform services applications within multiple cloud-based environments, such as Amazon AWS cloud and Verizon/Terremark hybrid cloud.

- Maintained a high service delivery and reporting standard, including SLAs, availability management, and finances, by supervising the Day2Ops team of 4 engineers; effectively supported the application/infrastructure teams to meet root cause analysis needs.
- Delivered OS/VM level support for CentOS, RHEL/OEL Linux, and Windows 2K8/2K12 OS by utilizing DevOps instructions for VMs in HP Server Automation and Dynamic Ops environments with customized scripts to deploy Splunk for key clients.
- Supported GE Cloud data centers with multiple tiered/floors by using customized scripts for VMware ESXi, vCenter, vMotion, HA, DRS, and Cloud Suite to resolve complex issues, optimize resource allocation, and apply best practices.
- Enhanced the vCenter environment’s stability, performance, and availability by leading and supporting team members in determining the unavailability issue with the vCenter Windows platform for several periods to rebuild and upgrade the vCenter environment.
- Improved the company’s IT infrastructure by configuring/optimizing virtualization technologies, such as VMware, Hyper-V, and cloud services, such as AWS, Azure, and Google Cloud to ensure high availability of resources and scale technical infrastructure.

Advanced Disposal Services
Linux Administrator/Core Infrastructure
Ponte Vedra, Florida **Feb 2014 - Aug 2014**

Supported the IT infrastructure while serving as the Linux administrator for corporate IT enterprise systems to deliver optimal value to the core infrastructure management team and support the company operations. Facilitated all aspects of disaster recovery strategies, Linux virtualization implementation needs, and project management for lifecycle planning while serving as a solutions and infrastructure architect.

- Revitalized the hybrid physical-virtual OVM environment on HP ProLiant GL580 Gen 7/8 servers running Oracle Enterprise Linux 5.x, which reduced system downtime by 15 % and improved resource utilization
- Elevated security, reliability, and efficiency of Linux systems by implementing Oracle Ksplice and the Spacewalk platform for automated patch and errata management, cutting patch-deployment time by 40 %
- Established Oracle Enterprise Manager 12c monitoring for Oracle RAC, OVM, Windows Server, and VMware ESXi clusters, and automated disk allocation on Oracle ZFS and NetApp SAN, enabling faster issue detection and reducing MTTR (mean-time-to-resolve) by 30 %

- Integrated Trend Micro OfficeScan v11 across desktops and laptops, using endpoint protection to block unauthorized USB file access, which improved endpoint security compliance and reduced malware incidents
- Developed a proof-of-concept test lab in the corporate office, allowing application, infrastructure, and networking teams to prototype solutions, which shortened data-center rollout cycles by two weeks

Scientific Research Corporation
Systems Analyst III / Infrastructure Architect
North Charleston, SC / Jacksonville, FL **Dec 2009 - Feb 2014**
Tasked as the SRC's Service-Oriented Architecture (SOA) Infrastructure Team Lead, providing a combined guidance and hands-on engineering role handling multiple government contract system/database administrators, network engineers within the infrastructure team. Assigned to multiple customer-facing, C4ISR projects associated with the Department of the Navy, SPAWAR, Marine Corps, Veteran's Affairs and USSOCOM.

- Led the ISS Division's SOA infrastructure team, supervising daily activities between SRC and external partners and managing onboarding/off-boarding of infrastructure staff; collaborated with senior program management on RFQs, RFIs, and RFPs, which improved contract readiness and positioning for new awards
- Implemented a cross-training program for system administrators and engineers, enabling faster onboarding and reducing knowledge gaps, which improved support response times
- Served as Solutions Architect and partnered with SPAWAR's architecture team to design the Charleston GCSS-MC data center, drafted BOMs, and deployed a private hybrid cloud on RHEL, VMware ESXi, and NetApp storage; the new environment increased resource utilization and lowered infrastructure costs
- Updated the in-house Puppet system to accelerate provisioning and created STIG-compliant modules; introduced func scripts that cut password-reset turnaround time for the Oracle HWTeam
- Architected an mRepo and Spacewalk/Satellite server for RHEL 4/5 kickstart provisioning and security-patch deployment, decreasing patch cycle time and improving compliance
- Provided virtualization expertise as SME/Infrastructure Architect for the Navy's Data Center Consolidation (DCC) initiative, contributing to the migration of legacy servers into a consolidated environment and enhancing operational efficiency
- Traveled to remote data centers to coordinate server decommissioning and shipment, and assisted application teams in migrating workloads to virtual machines using P2V tools, which streamlined relocation and reduced downtime
- Installed and configured WebLogic, Oracle Portal (Fusion Middleware), and Oracle 11g database to launch the VA's Business Management System platform, delivering a unified portal for VA users
- Supported the project as Systems Support Coordinator, handling critical administration tasks across VA and SPAWAR, delegating work to DBAs and SAs, and prioritizing outage resolution, which minimized cloud service downtime
- Advanced to Master System Administrator and SME, delivering performance solutions for over 300 RHEL 5.x servers on VMware vSphere ESXi 4 within Verizon/Terremark cloud; created DISA/NIST STIG-hardened VM images for federal and private clouds, improving security compliance
- Diagnosed issues as Sustainment Engineer, identified root causes, recommended resolutions, and implemented corrective actions promptly, enhancing overall system reliability
- Designed multiple Linux and Windows solutions, including a VMware HA/vMotion detection system and a Splunk deployment for DISA/FISMA log aggregation; built an on-the-fly configuration platform using kickstart, PXE, and Puppet to provision RHEL VMs with Apache and WebLogic while meeting STIG requirements, reducing bandwidth usage for patch distribution

LICENSES AND CERTIFICATIONS

- Public Trust (High Risk, Tier 4) – VA, Office of Personnel Management: October 2023 - Present
- Secret Clearance - DOD / VA Projects, United States Department of Defense: December 2009 – December 2016
- Secret Clearance for USAF IMDS Project, United States Department of Defense: December 1997 – December 2000

KEY PROJECTS

Veteran's Affairs - Standards and COTS Integration Platform (SCIP) **2026 - Present**
Ellumen, Inc. *Silver Springs, Maryland, United States*

Global Combat Support System - Marine Corps **Feb 2013 - Feb 2014**
Department of the Navy's SPAWAR, Marine Corps *North Charleston, South Carolina, United States*

Veteran's Affairs (Chapter 33 LTS) Post 9/11 GI Bill Project **Dec 2009 - Mar 2013**
Department of the Navy's SPAWAR, Veteran's Affairs *North Charleston, South Carolina, United States*

Department of the Navy's Data Center Consolidation Task Force **Dec 2009 - Mar 2013**
Department of the Navy's SPAWAR *North Charleston, South Carolina, United States*

Veteran's Affairs Construction and Facility Management, VBMS **Feb 2012 - Jan 2013**
Department of the Navy's SPAWAR, Veteran's Affairs *North Charleston, South Carolina, United States*

Morris Shared Management Systems, Drupal Platform **Dec 2011 - Jun 2012**
Morris Communication LLC *Augusta, Georgia, United States*

USAF Integrated Maintenance Data Systems **Mar 2007 - Dec 2009**
Andersen Consulting, United States Air Force *Valparaiso, Florida, United States*

HONORS AND AWARDS

- **CIO Award:**Wabtec, Multiple Locations, 2021
- **Above & Beyond:**GE Digital/GE Transportation, Multiple Locations, 2017
- **Support Stars:**Morris DigitalWorks, Augusta, GA, 2007
- **Ovation Program:**MCI, Tampa, FL, 2004
- **Intermedia Communications:**Tampa, FL, 1999
- **Regional Champion:**Students in Free Enterprise (SIFE), 1996
- **Leadership Service Training Service:**JROTC, 1991
- **US Army Recruiting Command Award:**Camden Military Academy, 1991
- **JROTC / USA NJOSC Junior Olympics - 3-Position Rife:**Bronze Medalist, JROTC, 1990