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PAUL J NARANG

PROFILE

I am a Technology Executive who has worked in IT in the United States for 28 years. I am a US Citizen, and a devout follower of Jesus Christ.

I began supporting Novell Netware (CNE) and Microsoft Windows servers (MCSE) right out of College in the early 90s. During the mid 90s I was involved in a very large Peoplesoft ERP project where I picked up and mastered HP-UX skills. In 1996 a project I was working on required a monitoring tool and I suggested deploying it on Red Hat Linux. At the time, Linux in the enterprise data center was unheard of, and my success using Linux meant that I would recommend it repeatedly over the years. As I would jokingly tell people afterwards, I was working with Linux when the Penguin was in diapers. In the early 2000s, I led one of the most capable UNIX Server Engineering Teams in the Midwest, at Northwestern Mutual. I also led their data center move from a server perspective from their Milwaukee to their Franklin Campus. From there, I went on to introduce Linux to several very large enterprises, including United Airlines, which saved over \$100MM by moving to Linux, and Blue Cross Blue Shield Association which saved at least \$25MM by switching. Along the way, I picked up numerous other supporting skills including VCS Clustering, VMWare virtualization, Amazon AWS and Azure Cloud. Between 2010 and 2017 I led the Linux Server Engineering teams for Blue Cross Blue Shield Association and Zebra Technologies. During this time I worked very closely with their CISOs on numerous Cyber Security projects and initiatives. Since March 2020 I have been working at Citadel Securities, a \$38 Billion Hedge fund as one of their primary Server builders, implementing tens of thousands of servers, using the next generation of server deployment technologies.

While I love technology, I love business, finance, economics, management and leadership even more. I have been attempting to pivot my career increasingly into leadership and management roles. I am an extrovert --- a people person. My Myers-Briggs personality type is : EXECUTIVE (ESTJ-T) My career goals are lofty but achievable, and all end up in the C-Suite or Boardroom. I am foremost a big picture person -- a technology executive with real world business experience and smarts, with credentials from Harvard Business School to back it up.

EXPERIENCE

Citadel Securities, LLC. March 2020 – Present Server Buildmeister & Engineer

Migrated over 7,000 Linux bare metal physical servers from RHEL6 to RHEL7. Provisioned over 1,000 Virtual Machines, Decommissioned, migrated and moved servers from one data center to another. Decommissioned over 1,000 servers. Performed Corporate-wide inventory and categorization of almost 80,000+ servers and VMs, and cleaned ServiceNow data to reflect current, accurate data. Now working on RHEL7 to RHEL8 migrations.

SalesForce July 2019 – February 2020 Data Center Relocation Consultant

Assisted the data center operations team decommission unused VMs and physical servers from their San Francisco Data Center and migrate the ones in use, to their AWS-hosted as well as Phoenix Data Centers.

Deloitte and Touche Sept 2018 – April 2019 Linux Systems Engr / Cloud Engineer

Extensively used RedHat Enterprise Linux 7.6, Ubuntu 16,18, SuSE 12, VMware, AWS, Azure, Samba and Winbind, RHEL Upgrade Manager, Puppet and Bash scripts. Security Compliance remediation for Nessus, Qualys and Rapid 7. Deployment of VMs from templates and servers from golden images. Deployed SuSE SMT servers. Performed In-place RHEL6 to RHEL7 upgrades. Worked on PAM and AD authentication using winbind. Worked on patch remediation of various servers in order to bring servers up to compliance levels. Worked to remediate Linux servers hosted on AWS and Azure in compliance with Deloitte Corporate standards.

Taos Mountain LLC April 2018 – Aug 2018 UNIX/Linux/VMWare Systems Engineer

Extensively used RedHat Enterprise Linux 6 and 7, VMware VSphere, ServiceNow, PowerShell Scripts, Visio, AWS, Azure and other technologies in order to build and support VMs for the Power Grid and Electrical services and support industries across the country. Worked to carve up numerous Red Hat Enterprise Linux servers hosted on AWS and Azure.

Societe Generale Oct 2017 – April 2018 Cloud Transformation Architect

Extensively used RedHat Enterprise Linux 7.2, VMware VCAC, ITaaS (IT-as-a-Service) JSON and curl scripts, Puppet scripts, Bash scripts, Tomcat, GemFire, Jenkins, and GitHub Enterprise in order to create an automated Cloud platform deployment and configuration engine for one of the bank's most lucrative and critical applications. As a Solution Architect, it was my responsibility to take an existing on-premises financial middleware solution and move it to the cloud using AWS technologies.

Zebra Technologies July 2014 – Sept 2017 Linux Server Team Lead

Setting priorities, guiding and leading a team of 5 Senior Linux engineers. Technologies used include Red Hat Enterprise Linux 5.x, 6.x, and 7.x. VMware ESXi 5.5, EMC VMAX SAN, Isilon 100TB storage, F5, Zabbix, Splunk, HP ProLiant DL 380 G8 and DL 580, Apache Tomcat, ITIL, ServiceNow, Shell Scripting, Security Hardening, iptables, Secunia, SCAP, Nessus, CrowdStrike, LogRhythm, Rapid7, Satellite Server 5.6, 6.0; Patching, ServiceNow, Altiris, Cloudera Hadoop 5.1 clusters and Datameer, Hive, Hue, Oozie, Sqoop, Yarn, MapReduce, HDFS and Zookeeper. HP DL580 Gen8 internals. VMware vCloud Air, VMware vRealize Cloud Automation Center (VCAC), CloudLink Center. Data Center racking, stacking, connectivity, planning, documentation. Enterprise-wide Oracle Financials Infrastructure refresh project.

Soft skills include interviewing for new hires, leadership of the BIG DATA initiative, project management, analyzing the technologies involved in the purchase and integration of a portion of Motorola Solutions, Inc. into our organization, along with the on-boarding of 5,600 additional employees.

Leadership of BIG DATA @ Zebra: Cloudera Hadoop 5.1 clusters and Datameer, Hive, Hue, Oozie, Sqoop, Pig, Yarn, MapReduce (MapR) and Zookeeper with a 100 TB Isilon Storage Device utilizing HDFS. Leadership of the Oracle Financials 12.x refresh project and the SIEBEL refresh

project from an Infrastructure standpoint. Lead a large SIEBEL 32-bit to 64-bit upgrade from an architecture and infrastructure standpoint. HP DL580 Gen8 internals. Data Center racking, stacking, connectivity, planning, documentation. Soft skills include interviewing for new hires, leadership of the BIG DATA initiative, project management, analyzing the technologies involved in the purchase and integration of Motorola Solutions (a Multi-Billion dollar technology company) into our organization, along with the on-boarding of 5,600 Motorola employees into Zebra. Participated in a Production Data Center move. Extensive experience coordinating DBA activities with both on-site as well as off-shore DBAs in India.

Worked on Numerous Information Security initiatives which included installing and configuring Nessus, CrowdStrike, CIS, Qualys, SCAP, AIDE, Tripwire, LogRhythm, Encryption management, and other security tools across the enterprise. Worked on patching all servers to compliant levels. Worked with Oracle DBAs to perform kernel tuning and performance optimization on large Oracle databases. Worked on a large project to consolidate server inventory data from multiple inventory systems including Altiris, Zapper, and other home-grown systems globally which needed to be consolidated into the ServiceNow CMDB. Worked on data imports, validating the data imported against several inventory tools, and producing resulting ServiceNow reports which were then used to determine server warranty status, OS revision levels, patching status, firmware revisions, applications hosted, business stakeholders, etc.

Worked on bringing Shadow IT RedHat Enterprise Linux servers hosted on AWS into compliance with Configuration Management and Corporate Security standards. Implemented Satellite Server for patching, Ansible for Configuration Management, and ServiceNow for ITIL/CMDB Management. Created a DR plan for Tier-1 Mission Critical Oracle Financial systems and implemented the same. Tested DR plan.

Blue Cross Blue Shield Association • May 2010 – April 2014 Linux Team Lead

Religious Sabbatical / time off June 2008 – May 2010

United Airlines • Aug 2007 - May 2008 Distributed Enterprise Architect

NYSE EuroNext • Nov 2006-Jul 2007 Trade Desk & UNIX Systems Administrator

Asurion Insurance • Sep 2006-Nov 2006 Nashville, TN Client Solutions Architect

United Airlines • Dec 2005-Sep 2006 Chicago, IL Linux Architect and Engineer

Northwestern Mutual • Jun 2001-Nov 2005 Distributed Systems Team Lead

Johnson Controls • Nov 2000-May 2001 Principal Engineer/Technologist

Hewlett Packard • Apr 2000-Nov 2000 Senior HP-UX Systems Administrator

City of Milwaukee, Comptroller • Jul 1996-Apr 2000 Infrastructure Manager

City of Milwaukee, ISDivision • Jul 1994-Jun 1996 Network Designer

Allied Computer Group • Nov 1993-Jul 1994 Software Designer and Programmer

EDUCATION

Harvard Business School Online, Boston, MA

Completed/Passed: March 2022. Professional Leadership Development (PLD) Course: Organizational Leadership

Wharton Business School; University of Pennsylvania

Other courses in progress at Harvard and Wharton

Other

FINRA SIE, Series 7 and Series 79 Exam Study is in progress

Study for the CISSP and CEH exams is in progress

Study for recertification of expired AWS Certified Cloud Practitioner credential is in progress

International Business Management Institute, Berlin, Germany, Mini-MBA

Graduated December 18, 2019 Courses: International Business and Economics, Strategy and Operations, Essential Management Skills, Finance and Accounting, Human Resources Management, Marketing and Communications with a GPA of 3.5

Lake Forest Graduate School of Management (LFGSM) classes onsite at Blue Cross Blue Shield Association taught by LFGSM instructors

Nov 2013: Records Information Management
Nov 2013: Advanced Privacy and Information Security; Course and Certification
Oct 2013: Essential Team Elements
Sept 2013: Negotiations Management
Aug 2013: Managing your Career within an organization
Aug 2013: Writing Effective E-Email
Jun 2013: Crucial Conversations
Dec 2012: Privacy and Information Security Refresher (HIPAA emphasis)
Oct 2012: Leading through Mission, Vision and Values
Jun 2011: Self Leadership
May 2011: Excelling as a Highly Effective Team Leader
May 2011: Presenting for Impact and Influence
Apr 2011: Setting SMART goals
Mar 2011: Time Management and Personal Effectiveness
Feb 2011: Diversity - Just be F.A.I.R (Mandatory)
Feb 2011: Ethics Made Easy (Mandatory)
Feb 2011: Sexual Harassment Prevention (Mandatory)
Dec 2010: General Privacy-Information Security Training (Mandatory)

TECH & GENERAL EDUCATION / CREDENTIALS / CERTS / AWARDS

2018 Amazon AWS Certified Cloud Practitioner #VKT0X0K21BVE19KX
2014 Cloudera Administrator for Apache Hadoop
2013 VMware ESXi 5.1: Install, Configure, Manage
2008 Red Hat RHCE Courses
2007-2008 University of Phoenix Classes toward a Business Management degree
2007 ITIL v2 Foundations Certification
2006 Brainbench Cert in Red Hat Enterprise Linux 3
1999 Microsoft Certified Systems Engineer (MCSE), MCP+I #1583774
1999 HP Certified HP-UX 11.00 (UNIX) System Administrator
1995 Novell CNE, CNE #6488706
1994 Novell CNA
1993 Rockford College, Rockford, IL, USA. Computer Science, BS; Philosophy, BA (incomplete)
1991 – 1993 COMPUTER SCIENCE DEPARTMENTAL SCHOLAR

AWARDS

2015 Zebra Technologies recipient of the CIO's STAR award for Data Center Relocation
2014 Zebra Technologies Recipient of the CISO's STAR award for Enterprise Server Security
2014 Zebra Technologies Recipient of the CIO's STAR award for Business Transformation
2005 Northwestern Mutual Certificate of Appreciation for Data Center Move Leadership
2002 Northwestern Mutual Certificate of Appreciation for Server Hardening
2002 Northwestern Mutual Letter of Appreciation for ERP Project Deployment
2001 Johnson Controls Certificate of Excellence
2000 HP Certificate of Excellence