**Lavorn Smalls**

**3755 Allsborough Dr**

**Tucker, GA 30084**

**(470)353-9365**

SUMMARY:

* Strong background as a Senior Devops Engineer.
* Knowledge of and experience in VLAN, QoS, IP Protocols, Security, SIP, and VoIP Applications.
* Knowledge of and experience in Cloud building and automation.
* Strong and comprehensive understanding of multi-product, solution selling.

EXPERIENCE:

04/17-Present

**Insight Global**

*Sr Devops Engineer*

* Designed solutions for availability zone and regional high availability in Azure.
* Created Vrealize blueprints used to deploy and Orchestrate the deployment of expiring development environments.
* Created and modified Resource Manager templates to deploy Vnet's, Scalesets, and VM’s
* Developed the strategy for bring new applications into a code deployment pipeline and automate them using chef.
* Developed Strategies to manage artifacts using artifactory, that could be used along with codestream to employ pipeline promotion.
* Troubleshot Issues with consumers and Producers on Kafka
* Migrated Kafka and Elasticsearch data to new version of Kafka and Elasticsearch.
* Deployed and Build Docker Containers for mission critical production applications.
* Developed strategies for the use of swarm as a docker service management system.
* Created solutions in New Relic to monitor the health of the application and uptime of the docker containers
* Developed system init scripts to start, stop, and restart containers as a service.

Technology used: Cent-OS, Rhel, AWS, Jenkins, Git, Bit bucket, Windows Server 2012, docker, Chef, swarm, ELB, Azure. Resource Management, Ldap, and Key cloak.

12/16-04/17

**Home Depot**

*Devops Architect*

* Designed solutions for availability zone and regional high availability in Azure.
* Developed a product to help move existing Application to the Azure cloud and Automate them with a deployment pipeline.
* Created and modified Resource Manager templates to deploy Vnet's, Scalesets, and VM’s
* Developed the strategy for bring new applications into a code deployment pipeline and automate them using chef.
* Developed a secure transfer of sensitive artifacts using chef and Azure Blobs.
* Troubleshot Issues with consumers and Producers on Kafka
* Developed a process to deploy and automate windows Infrastructure with Chef and AWS.
* Worked with Jenkins to test and deploy configuration and automation changes.
* Deployed and Build Docker Containers for mission critical production applications.
* Build and manage swarm as a docker service management system.
* Created on premise environments using Cisco UCS blades, VMware, and Cloud Bolt.
* Created new VNIC’s and Port Aggregation using the cisco UCS manager GUI and fabric interconnect.

Technology used: Cent-OS, Ubuntu, AWS, Jenkins, Git, Bit bucket, Windows Server 2012, docker, Chef, swarm, ELB, Azure. Resource Management, Ldap, and Keycloak.

1/16-12/16

**Coca Cola Enterprises**

*Cloud Architect*

* Designed solutions for availability zone and regional high availability in AWS.
* Developed a product to help move existing Application to the AWS cloud and Automate them with a deployment pipeline.
* Created and modified Cloud Formation templates to deploy VPC’s, ASG’s, and VM’s
* Developed the strategy for bring new applications into a code deployment pipeline and automate them using chef or ansible.
* Developed a secure transfer of sensitive artifacts using chef and S3
* Troubleshot Issues with consumers and Producers on Kafka
* Developed a process to deploy and automate windows Infrastructure with Chef and AWS.
* Worked with Jenkins to test and deploy configuration and automation changes.
* Deployed Kafka clusters using aws cloudfornation and Chef.

Technology used: Cent-OS, Ubuntu, AWS, Jenkins, Git, AWS Code Commit, Windows Server 2012, Ansible, Chef, boto, ELB, CloudFormation, Route53, and SES.

4/14-12/15

**Amplify Learning**

*Cloud Engineer/ DevOps*

* Developed playbooks and cookbooks to automate the deployment of COTS and custom applications.
* Designed solutions for availability zone and regional high availability in AWS.
* Worked with Product Manager to gather business requirements for applications.
* Responsible for bringing cloud computing initiatives (IaaS , SaaS , SQL as a Service and Oracle as Service) within the business
* Automated the configuration of Kafka Clusters with Ansible.
* Automated data migration of Kafka, Hadoop, Storm, and Zookeeper between environments.
* Configured Event-based applications to use Kafka clusters
* Configured Storm to receive events from Kafka topics.
* Created and modified Cloud Formation templates to deploy VPC’s, ASG’s, and VM’s
* Worked with Jenkins to test and deploy configuration and automation changes.

Technology used: Cent-OS, Ubuntu, AWS, Jenkins, Git, Gitorious, Gerrit, Jira, Hadoop, Cloudera, Ansible, Chef, boto, ELB, CloudFormation, Route53, and SES.

4/12-4/14

**AT&T**

*Cloud Engineer/ Web Hosting Engineer*

* Worked directly in lock step with Technical Project Managers, Business Partners, and Infrastructure engineering to deliver Unix & Linux server builds.
* Successfully built an open-stack environment for IAaS in our POC load testing environment with live migration capabilities and full hardware level redundancy as well as a 1000 Virtual Machine capacity.
* Created a standard configuration for HA-proxy deployments into hosted cloud environments with server affinity, and created a chef cook book and recipe to automate the process.
* **Design custom Cloud solutions using IaaS (Infrastructure as a Service), PaaS , SaaS for the business**
* Created safety check scripts to prevent data corruption when starting our PAaS environment caused by tomcat writing data to the data cluster before the cluster was in a ready state.
* Worked with Storage engineers to implement and configure NAS, SAN, and NFS shares on new server builds as well as existing server configurations.
* Deployed and administered applications in Weblogic/Websphere, I-Planet, Sun One Web servers, and Apache Web Server environments. Providing Development/Environment support for Staging, Testing, and Development.
* Worked closely with developers and business units in on boarding new clients into APAAS environments.
* Called upon in various circumstances to provide DEVOPS services when Tier four support is required.
* Used Cisco UCS manager to configure Blades for use with the innovations lab openstack environment.
* Created new VNIC’s and Port Aggregation using the cisco UCS manager GUI and fabric interconnect.

Technology used: RHEL6, Cent-OS, Ubuntu, OVM, Weblogic, IIS, Iplanet, Red Hat Satellite Server, Solaris 10, Solaris Zones, LDOMS, ASM, Nova-tools, Euca2ools, Open-VPN, RabbitMQ, RIAK, MYSQL, Camel, Tomcat 7, Oracle RAC, HA-Proxy, V-center, VCS, Shell Scripting, Kickstart, Jumpstart, Chef, Ruby, Nagios, Space Walk and other company proprietary tools.

4/11-4/12

**Bank of America**

*Hosting and Design Build Engineer*

* Worked directly in lock step with Technical Project Managers, Business Partners, and Infrastructure engineering to deliver Unix & Linux server builds.
* Interacted with many different teams within the Bank to ensure pre-reqs are met for server build, and ultimately build out servers many times under quick timeframes.
* Worked with Storage engineers to implement and configure NAS, SAN, and NFS shares on new server builds as well as existing server configurations.
* Migrated Standalone servers to virtual machine instances for Web server deployments using apache web server.
* Installed drivers and configure drivers for HBA's using software such as EMC Power.
* Was called upon in various circumstances to provide operational support services when 3rd level skills are required or resources are short within the operational team.

Technology used: Aix 5, Aix 6, HACMP, HMC, Nim, Solaris 10, Solaris Zones, Weblogic, IIS, I-planet, LDOMS, ASM, Oracle RAC, RHEL 5, Cloud Hosting Platform, V-center, VCS, Shell Scripting, Kickstart, Jumpstart, and other company proprietary tools.

 2/11-4/11

**Windstream Communications**

*ISP Engineer*

* Was operationally responsible for supporting HW/OS/Applications for the ISP environment these duties included the following:
* Performance management, Fault/event management, Capacity management, Security management (OS), Project management, Vendor management, Standardize Environment, Work with other internal groups utilizing platform, Become a subject matter expert on the systems, Completed thorough operational review of the systems, Provided detailed technical feedback, On-going administration of system, Monitored and maintained environment to guarantee it remains robust and secure, Utilized backup and restore strategy for environment, Prepared and maintain accurate documentation on platform, Install, jumpstart, configure hardware / OS, Respond to and resolve trouble tickets on platform, If necessary, interact with HW support vendor to resolve HW issues, Train other team members on platform, Apply OS updates, configuration changes, system tuning, system/application availability, Provided 24x7 support responding to alerts and alarms and participate in an on-call rotation

Technology Used: RHEL 5, Red Hat Desktop 7, Solaris 10, Apache 1.3, Apache Cluster, Oracle 10g, IIS, Windows 2000, Bind 9, Shell scripting, Perl scripting, and GFS.

11/08-2/11

**LGS Innovations, LLC**

*Systems Engineer/Information Systems Security Officer*

* Systems Engineer duties: Install, patch, secure, configure, and approximately 40 sun V245, V445, and Sun Fire V890.  Software used includes Apache httpd (with Jakarta Tomcat, mod\_ssl, etc.), Veritas (File System, Volume Manager, and Cluster Server), SSH (OpenSSH and ssh.com versions), BIND 9, and  etc. in coordination with the Database Group). Work to update and rationalize resources, improving security, manageability, consistency, and reliability.
* Team with Regional Project Managers & VoIP Technicians to ensure proper hand off of final VoIP and Data designs.
* Installed and Configured Storage devices for Voice mail storage using Pop3 technology, HBA’s, NAS Storage, and SAN Storage.
* Performed Cat5e cable termination as well as Cat5e wall plate and Wall mount termination.
* Pre-configured and provided post-installation support for remote sites using the following technologies: Broadworks, Edgemarc 4500 and 5300, Dell 3500 PoE switches, Cisco PoE Switches, AudioCodes M1K's, AudioCodes FXS/FXO and Polycom Sound point IP devices.
* Configured and Managed Element Management System. Allowing VoIP team to receive alerts from Multiple platforms via email and web interface.
* Attend user group meetings and exhibits to promote VoIP technology and assist with Converged product demos.
* Make presentations to customers, review customer network topology.
* Planned the data capacity, power requirements, access privileges, and remote accessibility for the VoIP core environment.
* Conducted initial Security Accreditation review for VoIP systems as well as continuous monitoring of the security standards and practices in use by VoIP systems.
* Scripting languages used: Perl, Korn, Bash, and TCL

9/08-11/08

**Liberty Mutual**

*Sr. Technical Analyst*

* As the Sr. Technical Analyst I performed the following duties: Provide technical support for F5 1000 and 1500 LTM Devices to help resolve anomalies.
* Provide Insight on how to streamline the Standard Operating Procedures for the Hosting Services Team. Create a Efficient process in which multiple Analyst could work simultaneously while minimizing the potential for inaccuracy.
* Create Virtual Servers, Irules, pools, and health monitors for Hosting Applications and Servers.
* Ready the Hosting Services Team to migrate Sun Directory Services from version 5.2 to 6.3. This was accomplished by creating new scripts for Directory Backups, Directory reporting, and LDAP health checks.
* Scripting languages used: Perl, Korn, Bash, and TCL

3/06-9/08

**Blue Cross Blue Shield**

*Systems Engineer/Security Engineer*

* As a Security Engineer I perform the following duties Provide technical leadership to the enterprise for the information security program. Mentor and train others in information security in addition to training for other technical groups. Install and maintain security infrastructure, including IPS, IDS, log management, and security assessment systems. Assess threats, risks, and vulnerabilities from emerging security issues. Draft enterprise security standards and guidelines for system configuration. Managed process and acted in the lead role for computer security incident response team. Perform and create procedures for system security audits, penetration-tests, and vulnerability assessments. Develop scripts to maintain and backup key security systems.
* As a Systems Engineer I performed the following duties: Installing, configuring, maintaining and enhancing operating system and system support software/hardware (AIX 5.1 - 5.3, TSM 5.1 - 5.3, SSA Disks, IBM DS8100, IBM pSeries 550, 570, p690, RS/6000). Design, Implement, and maintain multiple p690, 570, 595 LPARs, I/O server using HMC. Installed System images using NIM. Developing ksh scripts necessary in automating systems management. Diagnosing and resolving systems related tasks in accordance with priorities setup in dealing with trouble tickets. System performance monitoring (tuning as necessary). Ensuring systems security and data recovery is always maintained.
* Solaris duties: Install, patch, secure, configure, and approximately 40 sun V245, V445, and Sun Fire V890.  Software used includes Apache httpd (with Jakarta Tomcat, mod\_ssl, etc.), Veritas (File System, Volume Manager, and Cluster Server), SSH (OpenSSH and ssh.com versions), SunONE Enterprise & Directory servers, Sun Directory Server Enterprise Edition 6, BIND 8 and Infobox DNSone, Oracle (8i, 9i, 9iAS, 10gb, and  etc. in coordination with the Database Group). Work to update and rationalize resources, improving security, manageability, consistency, and reliability.
* F5 big-ip duties: Update Big-IP software, create and manage pools, create and manage I-Rules and trouble-shoot issue as necessary.

2/05-1/06

**Electronic Data Systems**

*Systems Engineer*

* Web Hosting – Responsible for NOS implementation and troubleshooting, installation and maintenance of web servers, application servers, and directory servers. Disaster recovery and capacity planning, HA planning and implementation, performance tuning and backup on several large client sites using: Solaris 8 & 10, Windows 2000/2003, TCP/IP, SUN Enterprise 280R, 3800/4800, SUN Fire, Ultra, Netra, SUN Storage Arrays, Net App Storage, Sendmail, Apache 1.3.9, iPlanet/Netscape WS/AS, Wu-ftpd 2.5, BIND 8.2.x, NIS, NIS+, LDAP, Active Directory Server, DirXML, Solstice DS 4.2, VxVM 3.1, VCS 1.0, SAN, SUN Cluster 3.0, NetBackup 4.x, Disk Suite, Oracle 9i and 10g.
* Responsible maintaining IBM Websphere, Apache Webserver, Javascript, XML, Servlet, J2EE, and Java agents.
* Composed C-shell, Bourne shell, Bourne Again Shell, and Korn shell, scripts to automate user creation, file deletion, web product distribution, backups, and to bypass system compatibility issues.
* Compose written report of discrepancy/ anomaly investigations

9/04-11/08

**K-Force**

*Systems Administrator*

* Functioned as technical support assistance to install, setup, and configure PC's for small office environment.
* Made an immediate contribution to all projects that I was assigned.
* Performance Tuning and Capacity Planning and evaluating products for clients and prospective clients. Primarily AIX but also some work with Linux and SGI. Additional work done on installing and configuring web servers. Using EJB, Jar-automating software, and Jar.
* Installation and Configuration of server applications:  Apache web server, Jag Server, Oracle 9i and 10g client installations and core setup, Disk Suite, and Volume Manager.

 8/02-8/04

**General Dynamics**

*Systems Administrator*

* As a member of monitoring team, was responsible for monitoring, troubleshooting maintenance and problem escalation of remote Systems, Applications as well as backup using: Tivoli 3.6.2, Tivoli Service Desk, Net View 6.0, SMCenter 2.1, Big Brother, BMC Patrol 3.3, Unicenter TNG NMS, Net Backup 4.3, HACMP V4.5, Legato Net worker including vaulting.
* Built new web servers for portal project which included: Oracle, Windows 2000, and Solaris Cluster.  The project include building an Oracle 9i repository server on NT5 and building the inner and outer firewalls for web portals using Redhat Linux servers.
* Composed C-shell, Bourne shell, Bourne Again Shell, and Korn shell, scripts to automate user creation, file deletion, web product distribution, backups, and to bypass system compatibility issues.
* Responsible for Preparing Test Environment for the Company product testing and Deploying Java Testing programs. Installed and configured:    
  Solaris 8 & 9, WinNT4.0, BEA WebLogic 5.1 AS, Oracle 8.1.5, JDBC drivers.
* Full Network Diagrams, Schematics, Configuration and User Documentation and reports – assisting in developing user guides and documents using: MS Word 2000, MS Project, MS Visio 2000.
* Compose written report of discrepancy/ anomaly investigations

9/99-8/02

**Lockheed Martin**

*Field Engineer*

* Responsible for daily Administration and all network projects
* Monitor and maintain VMS, Sybase, SGI, and Sun using Netscape Enterprise and other location specific software.
* Daily Administration Tasks: Responsible for ordering and buying all necessary Computer equipment’s, capacity and disaster recovery planning. Preparing all necessary Users documentation, reports and backups. Assisted Oracle DB Administrators and Research and Developing Team with the installation and configuration of Database software on new servers. Implementation and administration of dissimilar OS, applications and dbs on around 500 Unix and PC servers.
* Composed C-shell, Bourne shell, and Korn shell, scripts to automate user creation, file deletion, web product distribution, backups, and to bypass system compatibility issues.
* Compose written report of discrepancy/ anomaly investigations.

6/96-9/99

**AJCC**

*LAN Administrator/ COMSEC Repairer*

* HW&SW testing, troubleshooting, maintenance, PC service and Help Desk. Network Operating Systems Implementation. Making User Guides, and Help Classes. Backup media and system implementation. Used HW&SW:    
  Win9x, WinNT, Novel, TCP/IP, NetBEUI, Cisco, 10Base-Tx, Soyo, WD, Quantum, HP, Fujitsu, Epson, Trident, Diamond, S3Trio, Teac, Sony, Teac, AMD, Intel, Cyrix …
* Perform preventive, corrective, and performance maintenance on a large-scale complex computer controlled communication system.
* Perform Cat5e cable termination as well as Cat5e wall plate termination.
* Experienced in troubleshooting utilizing Fireberds, T-berds, Oscilloscopes, Voltmeters, TDR’s, OTDR’s, and other electrical testing equipment.
* Compose written report of discrepancy/ anomaly investigations

EDUCATION:

* Bachelor of Science Information Technology, University of Phoenix, 2004
* Unix System Administration Certification, completed both sections 1 and 2, Test Technical College, 2001
* Microsoft Certified System Engineer, NT 2000 certified,  I-Tech, 2001
* Microsoft Certified System Engineer, NT 4.0 certified,  I-Tech, 1998