Christopher M Bergeron

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SUMMARY

IT Professional with over 25 years of experience including: Cloud, Infrastructure, Virtualization, Systems Administration, Network and DB Administration. Seeking an organization where I can contribute by building new infrastructure and optimizing existing infrastructure, preferably with a career path to a leadership role.

EXPERIENCE

Senior Linux Infrastructure Engineer (DevOps)
RentPath   **May 2017 – August 2019, Atlanta, GA**
• Performed complete migration of on-prem VMWare ESXi to Azure Cloud Infrastructure (multi region) via Terraform.
• Created complete suite of Grafana dashboards for metrics analysis.
• Wrote PHP backend webhooks for various integrations (Catchpoint, Slack, Pingdom).
• Managed day to day operations to maintain the Production Operations infrastructure.
• Performed DNS and CDN cutovers from CDNetworks / Dynect to Cloudflare.
• Performed deployment of application code to Production environments
• Collaborated with application developers, database admins on troubleshooting and optimizing the infrastructure.

Linux DevOps Engineer
Ionic Security   **June 2016 – March 2017, Atlanta, GA**
• Responsible for the entire Production Operations environment in a team structure.
• Performed deployment of application code to all environments: Production, QA, Development, Preview.
• Crafted execution tickets for deployments based on release train / roadmap timelines and change management.
• Collaborated with app developers, database admins on troubleshooting and improving the infrastructure.
• Managed day to day operations to maintain the Production Operations infrastructure.
• Wrote Ansible deployment playbooks for provisioning and infrastructure tuning.
• Worked with the Security Operations Center (SOC) to ensure rapid deployment of security patches.
• Created Emergency Change Control (ECC) tickets.
• Managed VPCs in AWS and GCE clouds.
• Resolved Jira (tickets) from any departments requiring the assistance of Production Operations.

Senior Linux Systems Administrator 3
Cogeco Peer 1 Hosting   **September 2009 – July 2015, Atlanta, GA**
• Promoted to this position in Jun of 2012.
• I am the final escalation point for complex, non-routine technical challenges to our external customers.
• Collaborate closely with SAN, backbone networking and network engineering teams (NOC / NOE).
• Build Redhat Clusters (NFS and Mysql), Mulitpath zoning, SAN / DAS HA storage.
• Work with data center team on configuration management / automation (Kickstart, Windows / Linux builds).
• Maintain internal Yum repositories via RHN subscription.
• Manage Hosted Exchange customer product.
• Train Tier 2 / 3 Engineers in providing customer support, create documentation and training decks.
• Monitor and tune CDN environment (caching nodes).
• Deploy "one off" products / projects when required.

Director of IT
Access Payment Solutions   **June 2005 – December 2007, Atlanta, GA**
• Designed and implemented the order entry database system, shipping system, accounting database, and created PHP order system.
• Introduced virtualized servers (using VMWare ESX Server 2) into development and production environments.
• Saved the company hundreds of thousands of dollars annually by re-negotiating long distance call center rates.
• Migrated the entire IT infrastructure from a few 2,000 sq. ft. office suites, into a 50,000 sq. ft building (replete with 300kW Generator, CRACs, FM-200 Fire Suppression, IDFs, MDFs, etc).
• Collaborated with Architects, Contractors, Consultants and Vendors during build-out phase of new facility.
• Collaborated with Operations Managers ensuring building compliance (building code compliance, technology requisition).
• Oversaw Systems (core infrastructure, customer facing sites, etc).
• Built core corporate database - Mysql and PHP web interfaces for all departments.
• Installed and configured core LTSP network boot infrastructure for sales agent workstations.
• Configured all trunks, DNIS/DIDs, hunt groups, extensions and related telephony equipment.

SKILLS

Cloud / VPC:	Amazon Web Services AWS EC2 S3, Microsoft Azure, Google GCP GCE, Digital Ocean
Linux:	RedHat Enterprise Linux (RHEL / CentOS 8,7,6), Ubuntu, Debian, Linux From Scratch (LFS) 5.1
Containerization:	Docker Swarm, LXC, Virtuozzo
Virtualization / Hypervisors:	VMWare ESXi 6.5u3, 5.5, 4
Provisioning /Config Management:	Terraform, Ansible, Puppet, AWX, Ansible Tower, Foreman
Databases:	Mysql / MariaDB Replication and HA, Influx, Prometheus, Postgres, Cassandra
Programming Languages / Scripting:	Bash, PHP, Javascript, C, Python
Continuous Integration / Continuous Deployment (CI/CD):	Jenkins, Travis CI
Webservers:	nginx, Apache, lighttpd
Security / Authorization:	LDAP, Active Directory, FreeIPA IPA, SSH, OpenSSL, Vault (Ansible and Hashicorp), SSO, SAML, OAUTH2, RADIUS, SEIM, IDS, firewalld, iptables, MFA
Monitoring / Logging:	Grafana, Nagios, AlertManager, CheckMK, Elasticsearch, Logstash, Kibana, syslog, Graphite
Large Datasets /Message Queues / Memory Caches:	Elasticsearch (ELK Stack), Apache Kafka, RabbitMQ, Redis, memcached
Change Control / Ticketing:	Git, Github, Gitlab, Subversion, CVS, Jira, RT
High Availability:	Load Balancing (L2 and L7), Active/Passive Failover, Clustering (NFS, Percona Mysql, etc)
Network Troubleshooting:	tcpdump, Wireshark, snort, Tripwire IDS
DNS / VOIP / Other:	Tomcat, bind, dnsmasq, consul, SIP, IAX2

EDUCATION / CERTIFICATIONS

VMWare Data Center Virtualization (VCA)
Credential ID 12075300-9E0A-AF0178626040

VMWare Sales Professional (VSP)
Certification number provided upon request

Computer Science
Florida State University • Tallahassee, FL • 1999

Associate Degree
Eastern Florida State College • Melbourne, FL • 1996

PUBLICATIONS AND MEDIA

Car PC Hacks (Featured)
By Damien Stolarz • O'Reilly; ISBN 0-596-00871-6

Geek My Ride (Featured)
By Auri Rahimzadeh • Wiley & Sons; ISBN 0-7645-7876-6

Release 2.0 Magazine (Interviewed)
December 2007 Issue • "Open For Business"

Slashdot.org (Front Paged)
https://dashpc.com • April 2004, December 2002, December 2001

PROJECTS / MISC

Linux Automotive Software Platform   **March 2001 – December 2006**
DashPC – Dashboard Linux
• Creator and Lead Developer

Dashwerks, Inc.   **March 2003 – December 2007**
Digital Startup and Shutdown Controller – DSSC
• Company Founder, Product Architect, Product Engineer and Product Developer