**Sergey Leonovich**

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**SUMMARY**

A dedicated and reliable information technology operations executive, with an extensive background in cloud and Linux engineering, process automation, DevOps, AWS cloud technologies, Jenkins CI, infrastructure deployment, Agile deployment, systems configuration, python and shell programming. Leverages excellent communication and analytical mindset to code in a variety of languages and develop a solid infrastructure to optimize productivity. A dynamic leader, who serves as a key contributor to the long-range success of an organization.

**EXPERIENCE**

TransUnion, Chicago, Illinois

**AWS Cloud Engineer,** 2017-Present

* Serve as part of the core AWS Cloud Services team, leading transformation of the company IT to extend it into the cloud.
* Help establish foundational capabilities of enterprise in the AWS cloud.
* Perform advanced engineering in configuration, management, and deployment of AWS cloud environments, utilizing Cloud Formation and Terraform.
* Participate in architectural discussions to build confidence and promote customer success when developing new and migrating existing applications, software, and services on the AWS platform.
* Help develop and maintain Account Vending Machine framework to support company's many business units in several isolated cloud environments in multiple regions to allow controlled and secure application deployments as IaC (Cloud Formation, CDK, Terraform, Python, Lambda, State Machine, Dynamodb).
* Develop application to manage distribution and AMI lifecycle of Linux/EKS AWS images (Python, EC2, Lambda, Dynamodb).
* Contribute to development of forensics incident response state machine for EC2 instances and EKS containers (Python, EKS, Kubernetes library) to help achieve security compliance.
* Code central and distributed DNS serverless components to onboard and bootstrap EC2 Windows/Linux instances across multiple regions (Python, Lambda, Route53, Event Bridge, Ansible, Infoblox, Vault).
* Design and implement termination workflow to facilitate controlled resources decommission process of customer AWS account (Python, Lambda, CDK, State Machine, Dynamodb).
* Developed miscellaneous utilities to audit the environments for security compliance and quality assurance (Python).
* Develop and maintain CI / CD Jenkins pipelines, increasing deployment speed and reliability.
* Managed on-premises servers (RedHat Enterprise Linux 7-8, Puppet Enterprise, Ansible).

Micron Technology, Austin, Texas

**Lead DevOps Engineer,** 2016-2017

* Served as lead DevOps engineer for the Micron storage business unit, developing a heterogeneous-memory storage engine for the Linux kernel.
* Managed development and SQA infrastructure (Dell, Supermicro servers and network switches). The server infrastructure was a mixture of over one hundred of physical and virtual servers (KVM) running Fedora Linux.
* Stood up and managed Jenkins CI infrastructure for C code integration and SQA testing jobs. Coded library and various scripts in Python, created RPM packages to support and extend CI framework.
* Set up Coverity and Bullseye suites to analyze code defects and code coverage and integrated them with Jenkins flows to provide safeguards against code coverage regression and bugs.
* Implemented fully automated build system for rapid deployment capabilities to Dev and SQA teams, utilizing Cobbler. This dramatically reduced time to wait for an available test system.
* Maintained Linux repos, VM images, and site configuration policies with Ansible, Salt, and RPM.
* Coded Python Flask Dashboard application to present Dev, SQA, Agile metrics to upper management to help track development progress and plan for new features.
* Managed MongoDB cluster and MySQL server to store performance and test data for SQA team analysis.
* Implemented core Linux infrastructure monitoring utilizing Monit framework to provide developers stable environment.

Health Care Service Corporation, Chicago, Illinois

**UNIX Administrator / Systems Programmer,** 2004-2016

* Oversaw rapidly growing environment of 3000 of Linux, AIX, and Solaris servers in 2 in Chicago and Dallas data centers.
* Led design and implementation of RHEL and SLES Linux builds on Intel and VMware.
* Set up and managed Red Hat satellite infrastructure.
* Worked with automation team to create build process for IBM AIX (NIM / BladeLogic).
* Managed Hadoop clusters on HP hardware / StackIQ.
* Designed and coded a cross-platform performance portal, based on IBM NMON, utilizing MySQL, Perl, Apache, and RRD.
* Wrote various Perl and shell scripts, supporting disaster recovery process, AIX CPU pools monitoring, and documentation of AIX virtual IO configurations.
* Managed IBM AIX HA clusters.

**ADDITIONAL EXPERIENCE**

HEWLETT-PACKARD, Chicago, Illinois, **Data Center Support Engineer,** 2004. Managed hundreds of UNIX and Windows servers for customers of the Qwest internet data center. Installed racks and servers, and performed various inventory and audit tasks. Supported NetApp storage appliances. Provided UNIX training for hosting the operations center staff.

IBM GLOBAL SERVICES, Hoffman Estates, Illinois, **UNIX Consultant,** 1997-2004. Supported production network of AIX, Solaris, and Linux server infrastructure for Sears, providing enterprise planning, backup and recovery, order tracking, software delivery, and payroll systems.

REPUBLICAN TELEPHONE EXCHANGE, Minsk, Belarus, **Network / UNIX Administrator,** 1993-1996. Set up and troubleshot TCP / IP, X25, and frame relay connections for customers. Managed IP address space and routing policies with telecommunications partners.

**EDUCATION**

Radio Technical Institute, Minsk, Belarus

**Bachelor of Science, Computer Science, Information Technology**

**CERTIFICATIONS**

*PCAP Certified Associate Python Programmer*

*HashiCorp Certified Terraform Associate*

*Red Hat Certified System Administrator*

*IBM Certified AIX Administrator*