

David Slusser

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A seasoned developer specializing in python and django. Successfully lead multiple initiatives from conception to production, balancing technical development and project management. Well versed in data modeling, API development, and deployments in bare metal, virtual, cloud, and container based environments.

Professional Experience

Senior Site Reliability Engineer

Box, February 2016 - Present

Development projects

- Architected platform to identify Access and Identity Management (IAM) related issues from multiple cloud providers to facilitate security remediation and provide evidence used in certification audits, ensuring Box's cloud infrastructure remains secure and compliant
- Developed and delivered system to organize, facilitate, and automate evidence collection for multiple certifications including SOC, PCI, FedRAMP, HIPPA, ISO9001 and others
- Designed and deployed custom cloud management platform to manage components, inventory, capacity, self-service operations, and health checks across multiple clouds provided by Openstack, AWS, Azure, and GCP
- Delivered custom tooling to facilitate patching activity and status based on Common Vulnerabilities and Exposures (CVE) to ensure Box's host infrastructure remains secure

Technologies used: *Python, Django, Linux, Nginx, MySql, Celery, Redis, RabbitMQ, RESTful APIs, Bootstrap, Docker, Jira, LDAP, Kubernetes, Openstack, AWS, GCP*

Additional projects and responsibilities

- Created highly available Redis systems spanning multiple clouds across multiple data centers and included a custom CLI allowing manual and automated changes to DNS entries, process control, and service interaction for automated host patching
- Successfully migrated multiple services including those build upon bare metal servers, virtual machines, and kubernetes pods as part of a datacenter migrations with zero operational impact
- Championed best practices, code health, repository management, and design standards
- Served as mentor to junior engineers and provided training and tech talks to colleagues of all levels

Senior Packet Switch Engineer

Equinix, August 2014 - September 2015

- Implemented web-based platform containing tools to generate and track customer configurations on production systems, perform Field Implementation Tests, manage equipment, and house other network tools and utilities
- Created original automation framework to support operations on lab equipment, supporting multiple platform vendors including Juniper, Cisco, Arista, and Ciena and test equipment such as Ixia, and others
- Maintained virtual infrastructure and owned turned up and configuration of virtual machines to support lab and production functions

Technologies used: *Linux, Python, Django, Apache, MySql, Bootstrap, Junos, EOS, VMware*

Professional Experience (continued)

Senior Tools Engineer

Broadcom, April 2012 – August 2014

- Maintained infrastructure, configuration, and scripts to execute and tally results of hourly and nightly builds across thirty independent branches in a continuous integration environment
- Developed a custom system to validate pre-merged source code prior to SCM integration
- Created automation tools to facilitate code compliance, identify build issues, and standardize release packages
- Administered resources including SCM tools, Coverity, MySQL databases, network filers, and other systems utilized by the software organization
- Served as project manager for shared network systems and infrastructure used by multiple international groups, responsible for administration, forecasting, etc.

Technologies used: *Linux, Python, Bash, CVS, Git, MySql, LSF, CI/CD*

Senior Automation Engineer

Taseon, November 2008 – September 2011

- Enhanced automated process for qualifying software builds by adding system setup, execution, result tallying, and result distribution into a single dynamic launcher
- Optimized automation efficiency by creating automation framework for parallel element usage
- Developed multiple levels of build qualification suites, improving build quality
- Designed and implemented standards for automated test scripts, suites, and documentation
- Developed Python based tools to monitor Linux processes and automation status to track system usage, stability, and availability
- Created method of queuing automation tests to maximize equipment usage and sharing
- Originated a single, menu-driven utility to view and manage running scripts, suites, scheduled tests, lab equipment, and network configurations
- Developed custom Python APIs to interface with network elements, servers, and test equipment
- Turned-up and maintained Linux systems with custom configurations to enhance automation environment and capacity
- Created web infrastructure based on LAMP technologies to control automation execution and results analysis, improving visibility to potential test failures and conflicted results
- Created dynamic router simulators, utilizing XML, netconf, and CLI portals, used to enhance management interface testing, demo presentations, and training sessions

Technologies used: *Linux, Python, Bash, Perforce, CLI, optical networking, test equipment*

Education

- Bachelors of Science in Information Technology; specialties in Networking and Telecom (UOP)
- Associates of Science in Electronics Technology (College of San Mateo)
- Computer Support Certificate, emphasis in networking (College of San Mateo)
- Computer Support Certificate, emphasis in computer hardware (College of San Mateo)
- CompTia A+ Certification