CHRISTOPHER "CHRIS" STACKS,
U.S. Public Sector, Previous TS/SCI 1997-2001
Huntley, IL
https://www.linkedin.com/in/stackattack/
Python Portfolio: https://pypi.org/project/goatshell/

PROFILE SUMMARY:

- Chris has over 15 years of experience in cloud engineering and DevOps, focusing on automating workflows and implementing agile coding principles across enterprise environments.
- He has 8 years of experience with Oracle Cloud Infrastructure in blended environments and 7 years of Git, Jenkins and general workflow automations.
- Chris is proficient in Python, Perl, Bash, and has hands-on experience with Docker, Kubernetes, GCP, AWS, OCI and various cloud development tools, making him adept at solving complex DevOps challenges. Moreover, Chris has significant experience in enhancing CI/CD pipelines with tools like Jenkins and Concourse and applying SRE principles to ensure application reliability and uptime.
- An excellent communicator, Chris has led numerous automation and cloud migration projects, provided technical consultations and collaborated effectively with development teams.
- Chris is eager to take on challenges with a new organization, where he can leverage several years of DevOps, Linux Engineering and task automation . He is available to interview on a 48-hour notice and can start work immediately after giving a 2-week notice to his current employer.

PROFESSIONAL EXPERIENCE:
BCU - Vernon Hills   **Nov 2023 - Present**
Senior DevOps Engineer
- Redesigned core infrastructure builds utilizing Bicep, as well as restructured the CI/CD pipelines for improved control in Azure DevOps.
- Managing security vulnerabilities using internal Azure Practices as well as custom Python applications to compare CVE IDs and compliance data.
- Successfully created a Server based solution to pull in weekly Qualys QID's, using Flask, Dash, HTML/CSS and other reactive languages to dynamically display data back to end-users and perform actions on Qualys Data, integrating with Azure ADO and the Qualys API.

VMware, INC. - Chicago, IL (REMOTE)   **May 2022–Sep 2023**
Staff Cloud Engineer, VMC Public Sector
- Migrate existing VMC toolkits based on Bash/Curl API development with only Python as the language of choice. The CLI provides access to common API's such as JIRA, Slack, Jenkins, VMware VMC, VMware CSP, IDP, Nexus, JFROG Artifactory, Confluence, Git, AWS, Concourse and others. Each python module is built using Click 8.1.3 for the framework, and Fernet for configuration management encryption.
- Regularly provide 4th level on-call support and participate in primary/secondary rotation coverage for the VMC Public Sector platform for VMware customers in the US Government Cloud regions. PagerDuty is used for on-call management with Slack & JIRA Service Desk integration.
- Current projects include the In-boundary FedRAMP accredited and IL6 environment stabilization program to manage code; aim to mirror commercials to reduce regional and product differences.
- Drive new project ideas to completion from ground-up design, utilizing templates, modular coding practices and agile concepts to fit the business and organization.
- Current tools in the trade: Python, Bash, AWS, K8S with K9S, Terraform, Jenkins, Concourse, Fly, JIRA, Confluence, VMC on AWS GovCloud, SDDC management, Token/Vault management, Grafana, Zeus, Git, Bitbucket, Helm, Twistlock, Docker
- Automation go-to channel to manage automation projects and lead discussions to an easier future.

Oracle INC. - Chicago, IL (REMOTE)   **Apr 2015 - May 2022**
Senior Principal Site Reliability Developer   *Dec 2021–May 2022*
- Promoting and migrating existing commercial tenancies into Gen2 OCI Realm 2 for US Gov and US DoD to take full advantage of OCI built-in FedRAMP accreditation program.
- gen2cli is used to help transfer and navigate between both AWS and OCI infrastructures, toggling between the two seamlessly with a constant need for pin-point accuracy. The application was designed with a local caching mechanism to speed up target SSH destinations, smart database hookup and setup,infrastructure and database queries using a combination of tools, such as Python, Ansible, Bash 5+, JQ, Perl 5+, including other tools such as sed and awk.
- Provide remediation improvements across commercial tenancies as part of FedRAMP pre & post readiness. Receive tickets via confluence and provide automation solutions via detailed Ansible Playbooks to help manipulate the infrastructure at scale.

- Automation improvements are at the forefront of all discussion, from Daily Scrum Calls to Evening chatter; we strive to improve processes that are weaknesses.

Principal Software Engineer   *Feb 2020–Dec 2021*
- Started multiple software projects to help drive OCI automation using custom python specific and shell specific modules, extensible and actionable.
- The 2-week APEX course morphed into a giant dashboard project for OCI Gen1 detailing infrastructure, tenancy information, and other non-private data from a single pane of glass. The single pane of glass is behind a current DOaaS SSO to help secure traffic.
- gen2cli started as a small SSH utility which grew in popular demand amongst multiple organizations such as Log Analytics, Application Stack Management, Fusion Apps, Cloud Operations, Field Engineers, etc... This is the footprint for everything into OCI Gen2 from a single intuitive CLI where tools such as Shepherd are not available.
- 3 years of stable Terraform experience, including Shepherd during new tenancy and region builds for LA in Gen2

Principal DevOps Engineer   *Sep 2018–Feb 2020*
- Provide automation solutions for: enterprise monitoring, patching, software deployment, WebLogic server management, security control remediation, custom CLI, and other ad-hoc deployment tools
- Converting Oracle OMC from Oracle Public Cloud to Oracle OCI Gen1 utilizing latest cloud technologies such as Terraform, Chef, Ansible, and custom Python API for OCI. Well versed in Terraform to build new cloud regions for OMC using IaC.
- Key player in building back-end software for OMC DOaaS (DevOps as a Service) to help manage and deliver solutions for customers, developers and program managers. Solutions include a SQL interface for all OMC regions, dashboards for Solr and Infrastructure Capacity to monitor usage, change management and many other solutions
- Build and design a Jenkins server in a test environment to manage OMC automation solutions. This includes an agent to communicate with OCI and deploy software swiftly by integrating common CI/CD pipelines

Senior Systems Administrator II   *Apr 2015–Sep 2018*
- Create ILOM firmware patching solution for all Oracle/Sun physical hardware (35,000+ systems patched for Spectre/Meltdown vulnerabilities) across all regions in a hands-off threaded/parallel approach
- Lead POC to manage Oracle US Government Cloud consisting of project management, workload management, resource alignment, and technical mentorship
- Design a Nessus Scan parsing suite utilizing Python Pandas and SQLite3 to organize patches on a per system requirement, with continuous OpensCAP remediation
- Single POC for all automation efforts within US Government Cloud to streamline and patch all systems on a monthly basis, meeting critical deadlines for the FedRAMP accreditation program
- Develop utilities for Oracle Cloud to manage systems: Python/Perl/Bash/MC (threaded computing, remote program execution, OpenSCAP remediation, Exadata / ExaLogic image upgrade automation, JIRA API, and parallel custom shell to manage US Government cloud systems)

United Airlines - Chicago, IL
Principal Virtualization Engineer (Consultant)   *Nov 2014–Apr 2015*
- Play a pivotal role in the establishment of bundled software to manage United Airline's VMWARE infrastructure
- Fix ESX issues related to networking, VCENTER off-line storage issues, and filter logs for common errors
- Assume full responsibility in managing VMWARE 5.5 infrastructure.

Senior Linux Consultant   *Oct 2012–Oct 2013*
- Responsible for LDAP client configurations and deployment for 750+ RHEL Linux servers to achieve single sign-on in the Linux area
- Customize RPM packages consisting of custom scripts and configuration files as well as supervise build-out of Control-M virtual servers
- Provide client needs for the company, which consisted of HP Service-guard management and GRID management of multiple HP-UX nodes
- Provide system tuning, kernel tuning, and file system management for RHEL EXT3 file systems
- Install, administer, and perform root-cause analysis for Red Hat Enterprise 4/5/6 and SLES 10/11 systems

Red Hat - Chicago   **Oct 2013 - Oct 2014**
Regional Platform Consultant
- Establish various technologies in the Red Hat portfolio including Satellite 5/6, RDS 9/10, GFS, Gluster Storage, RHEV, and Red Hat OpenStack
- Home Depot central security project, specializing in SELinux, AIDE, and customizing the installation of CyberArk on-site in Atlanta

- Act as a primary Red Hat Satellite consultant for Bechtel, installing one Satellite server and four Satellite Proxy servers on-site in Reston, VA
- Complete the Satellite infrastructure build-out and Satellite upgrades from 5.4 to 5.6 for EHealth Ontario, which includes the installation of a new RHEL6 base OS, migrating to embedded PostgreSQL from Oracle
- Organize key design meetings and managed custom architecture of the client's virtual environment

Activ Financial Systems, INC - Chicago, IL　　　　　　　　　　　　　　　　　**Oct 2011 - Oct 2012**
Senior Linux Engineer
- Hold primary responsibility in the virtualization of the internal IT infrastructure at ACTIV Financial as well as fulfill diverse tasks designing, planning, documenting, installing, configuring, and testing the RHEV 3.0 project
- Primary Lead of the migration plans for virtual machine using Acronis for P2V migrations
- Primary iSCSI and SAN resource with MD3000i SAN and NetApp FAS2240 HA SAN to configure SAN storage for all virtual environments with iSCSI connections, and NFS exports across associated LUN(s)
- Develop cobbler virtual machine running on CentOS 6.0 to support cobbler server and created scripts to sync cobbler laptop with the master cobbler server on system boot to aid in DC provisioning
- Create 1 RHEL cluster suite for the RHEV management servers to virtualize and manage redundancy for all phases.
- Assign two RHEL load-balancers to harmonize load between 6 Content Gateway servers in Chicago, with direct return to the customers

Additional experience available upon request

EDUCATION:
Robert Morris University
- Associate of Science, Computer Networking
- GPA: 4.0/4.0

Technical Experience:
- Orchestrated the management, patching, and upgrades of Oracle ExaData/ExaCluster with precision.
- Implemented PowerBI to craft insightful business intelligence reports and dynamic dashboards.
- Engineered an APEX application interface, integrating CSV data into Oracle D.B. for streamlined Log Analytics.
- Demonstrated mastery in OCI cloud infrastructure, attaining associate-level certification.
- Patched 35,000+ ILOM systems using Python and the latest firmware releases to address Spectre/Meltdown vulnerabilities.
- Provided FedRAMP accreditation leadership for Oracle SaaS within 18 months and PaaS within 24 months.
- Automated Jira/Confluence API processes, cloning 200+ tickets monthly for patching and remediation, reducing manual efforts by 8 hours per week.

AWARDS:
PDIT Excellence Award Q4 2016, Above & Beyond Award 2020
Oracle Equity Awards FY20(16/17/18/21)

CERTIFICATIONS:
Microsoft Certified Azure Fundamentals (AZ-900)
Oracle Certified Infrastructure Associate
Red Hat Certified System Administrator in Red Hat OpenStack
Red Hat Certificate of Expertise in Deployment and Systems Management
Red Hat Certified Engineer (RHCE)
Linux Professional Institute Level 2 Certification (LPIC-2)
Certified Ethical Hacker V7 (C|EH)
CompTIA Network+
CompTIA Security+
Red Hat Certified System Administrator (RHCSA)
Red Hat Certified Virtual Administrator (RHCVA)
BMC BladeLogic Server Automation 8.0
BMC Remedy Action Request System 7.5
Kinetic Request Manager
CompTIA Linux+
Linux Professional Institute Level 1 Certification (LPIC-1)
Novell SuSe (NCLA) Novell Certified Datacenter Technician
Certified U.S. Navy Radioman & Telecommunications