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JAMES HALE
INFRASTRUCTURE SECURITY ENGINEER

Security engineer with over eight years of experience. Specializing in architecting and deploying secure and scalable systems with high availability, using cloud-based and on-premises infrastructure resources, including hybrid solutions.

DevOps and security-focused. Experienced in Agile methodologies, including Scrum and Kanban. Leadership experience

Specialties include: AWS, VMware, networking, automation and security.

EDUCATION/CERTIFICATIONS

University of Massachusetts Amherst - B.S. Computer Science   - 2009
AWS Certified Solutions Architect - Professional   - 2017

SKILLS

Information Security	Nessus, OSSEC, Nmap, Kali Linux, Metasploit, Snort, Burp Suite
Languages:	Python, Go, Ruby, Groovy, PHP, Perl, YAML, JSON
Configuration Management:	Puppet, Chef, Ansible, SaltStack.
IaaS Platforms:	AWS, VMware, Google Compute Engine, OpenStack
Container technologies:	Docker, Kubernetes, Mesos, AWS ECS

- Primarily focused on deploying fault-tolerant, highly-available, and secure systems across a multitude of platforms
- Expertise with cloud and on-premises infrastructure platforms, IaaS/PaaS, including designing and implementing hybrid solutions.
- Security-minded. Aim to identify, assess and remediate risk and vulnerabilities in platforms.
- Strive to provide infrastructure as a service to software developers and facilitate their deployment tasks without increasing risk exposure to the platform.
- Experience with automating deployment and administration tasks with configuration management platforms.
- Knowledge of Datacenter and NOC operations.

WORK

Senior DevOps Security Engineer
Team Lead, Security Automation Engineering
Blackboard, Washington, D.C.

November 2016 – Present

- Research, design, develop, document and implement solutions for fault tolerance, performance, capacity, and configuration management for various data center operations.
- Define, plan, design, and evaluate information security systems.
- Design, implement, and maintain security infrastructure.
- Lead a team of security automation engineers to identify platform vulnerabilities, help design and implement security solutions.
- Contribute to and maintain security posture of the platform.
- Serve as a mentor to other Security and DevOps engineers.
- Design, develop and implement documentation or tools to facilitate Technical Support team responsibilities.
- Identify and drive opportunities to improve automation for deployment, management, and tooling, using Python, Ruby and Groovy, among other languages.
- Support and improve a highly available and fault tolerant SaaS offering.

Senior Infrastructure Engineer
The Washington Post, Washington, D.C.

January 2015 – November 2016

- Implement ephemeral, long-lived and immutable infrastructure as code, using AWS CloudFormation and internally-built solutions.
- Maintain infrastructure resources in an auditable and repeatable fashion using configuration management platforms and version control systems.
- Responsible for designing and implementing robust network and security architectures.
- Help to maintain a strong information security posture for data in transit and data at rest.
- Provide expertise to software developers on AWS services and best practices, such as EC2 (incl. EBS, ASG, ELB), VPC/Direct Connect, Route53, S3, IAM/KMS, RDS, SNS, SQS, SES, and CloudWatch.
- Contribute to internal software projects, centered around the orchestration of infrastructure resources and the continuous deployment of containerized applications to test and production environments.

Unix Systems Engineer
The Washington Post, Washington, D.C.

December 2011 – January 2015

- Managed physical and cloud-based infrastructure for the print, mobile, and web properties of Washington Post Media
- Supported content management systems and applications utilizing Apache, Nginx, Tomcat, and dynamic Java applications deployed on Glassfish and WebLogic application servers.
- Maintained Unix production, stage, and test environments, utilizing RedHat 5/6/7, CentOS 5/6/7, Solaris 9 & 10, AIX 5.3, HP-UX and Mac OS X Server
- Performed code deployments for development teams
- Carried out system maintenance and upgrades as needed, including backups and restorations
- Participated in 24x7 on-call rotation
- Assisted with a major data center relocation

Client Systems Engineer   September 2010 – December 2011
The Washington Post, Washington, D.C.

- Developed and maintained Windows and Mac desktop images, software deployments, and application patching while also identifying and resolving desktop security issues.
- Provided technical expertise to assist with implementation of desktop technologies: Windows and Mac desktops and laptops and their operating systems, desktop applications, management systems, and tools
- Created and supported desktop management related technical policies and procedures; helped to create and maintain related documentation.
- Administered and assisted in deploying LANDesk 8.8 & 9 environments and Symantec Endpoint Protection for a client base of 3000+ machines.
- Deployed regularly scheduled and out of band security/OS patches and updates via LANDesk and other mechanisms.
- Co-developed an asset management system to track physical assets via barcode scanning devices.

System Support Analyst   July 2009 – September 2010
Washingtonpost.Newsweek Interactive, Arlington, VA

- Actively monitored an extensive production environment for washingtonpost.com and other high-traffic Post properties
- Acted as a liaison between coworkers and the development and infrastructure technology teams
- Provisioned, integrated, diagnosed, and maintained PC and Macintosh clients in an Active Directory environment