Jonathan Buys

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OBJECTIVE

Staff DevOps Engineer with 25 years of diverse experience in the tech industry, spanning roles in systems administration, cloud engineering, and DevOps. Proven track record of leading high-performing teams, optimizing cloud infrastructure, and delivering cutting-edge solutions in AWS environments. My portfolio includes developing macOS applications, leading automation initiatives using AWS, and contributing to the local community as an adjunct Python instructor at Des Moines Area Community College.

SKILLS

• AWS	• Docker	• Docker
• Linux	• System Automation	• ECS
• Python	• CloudFormation	• Network Security

EDUCATION

Masters of Science, Human Computer Interaction
Iowa State University, Ames, Iowa - May, 2012

PROFESSIONAL EXPERIENCE

Engineering Manager   June 2024 - Current
The TARA Group, Parent company of TargetSmart Orlando, FL
- Responsible for overall health and maintenance of the TARA Group cloud infrastructure.
- Advertised, interviewed, hired, and trained one full time employee as a direct report.
- Led efforts to migrate and consolidate monitoring systems from Datadog and Nagios to CloudWatch.
- Researched and deployed fix for complex, undocumented issue related to AWS Storage Gateway, increasing data scientist productivity.

Staff Engineer   February 2016 - June 2024
TargetSmart Orlando, FL
- Worked with a fully remote team of 3-7 to develop, implement, maintain, and update custom and out of the box applications in AWS cloud environment.
- Increased developer efficiency by 80% by implementing git-based CI/CD pipelines.
- Migrated legacy applications to Docker using ECS.
- Developed a custom Python API for integrating with a third-party provider in a PCI environment, including secure end-to-end zero-knowledge encryption.
- Adopted and expanded an open source Go project to use our custom Single-Sign on identity provider.
- Wrote a custom addition to our Django site using Python and Javascript to allow clients to manage refreshing their S3 IAM keys.

Systems Automation Engineer   December 2014 - February 2016
Future Health Urbandale, IA
- Revamped QA, Staging, and Production environments using AWS CloudFormation and CodeDeploy, enabling full environment reconstruction in under 20 minutes.

- Automated deployment and monitoring with CloudWatch, managed Docker container deployments for Ruby on Rails and Java applications, rearchitecting for optimal security and efficiency.
- Automated legacy systems with Chef, improving system reliability and operational workflows.

Linux Systems Administrator   May 2007 - December 2014
CDS Global Des Moines, IA

- Designed, implemented, and maintained the VMware virtualization architecture for clustering and high availability.
- Responsible for designing and maintaining the Linux and AIX high-availability infrastructure for several high demand E-commerce web sites.
- Maintained the Linux postfix email server to support multiple virtual domains.

Information Systems Technician   October 1995 - October 2006
United States Navy

- Designed and managed the creation of a Network Operations Center that centralized all network security and information assurance functions in one area. Also designed a unified network infrastructure to support five dispersed Internet cafés on the base.
- Designed and implemented a network management system using SNMP, sFlow, Nmap, and 3Com Network Director.
- Built a test network for development and accreditation of systems before use on the production network.
- Managed all voice and data services for DTRA Albuquerque, White Sands Missile Range, and the Nevada Test Site.
- Implemented security policies utilizing access control lists, internal and external intrusion detection systems, and a Bastion Host residing in a false DMZ.
- Administered communications and security systems residing on the Bastion Host, including DNS (BIND), Sendmail, and Gauntlet firewall.
- Operated and maintained shipboard satellite communications equipment.
- Led emergency firefighting efforts on-site as the Attack Team Leader.
- Conducted routine maintenance and emergency repairs of shipboard equipment.