

MIKE HOLZINGER

mike.holzinger@gmail.com

Languages: C (7 years), Ruby / Python (2 years)

Scripting: Shell/Bash (10+ years)

Automation: Chef / Ansible (2+ years each)

Extensive knowledge: AES, OpenSSL, PKI, Github

IBM

Cloudant:

2018 - Current; Software Engineer

Projects:

Cloudant CouchDB as a Service

- Client tool for support and operations engineering (Python)
- Data health investigation for cluster information (Python)
- Automated operation playbooks (Python / Bash)
- Metrics performance (FoundationDB / C++ / Bash)

IBM Global Managed Cloud (GBS):

2017 - 2018; Software Engineer

Projects:

Security & Compliance + Data Remediation

- Automated host discovery for compliance reporting (Chef / Knife)
- Reconciliation of resources to system of record (Ruby / REST)
- DB2/SQL scripted export host entity resources (Bash)

Chef/Ruby automation Redhat Linux/Centos

- SAP HANA - Completely automating sysadmin tasks (Chef / Ruby)
- Reduction in oncall staff rotation and contract based workforce (Chef)

Fully automated Github for Gitflow model

- (Ruby/REST)
- Chef automated metrics collection for real time inventory + auditing (Ruby / REST API)

IBM BLUEMIX OBJECT STORAGE:

2016 - 2017; Object Storage & Operations Engineer

Projects:

Object Storage deployment operations for IBM Cleversafe acquisition

- Inventory and automatic system rollout (Ansible)
- User account Creation (Ansible / Python)
- Client Auditing and account remediation (Ansible / Python)
- Softlayer automatic list generation (Python / Softlayer)

Tier 2 On-call technology integration

- Monitoring: ELK, Sensu, Flapjack
- Pagerduty (escalation)

IBM BLUEMIX OPENSTACK:

2015 - 2016; Openstack Operations Engineer

Linux Operations engineer for OpenStack hosted cloud services.

Leadership: 1st Shift operations Lead

- Orientation and onboarding for new hires
- Training lead to new sysadmins and new operations engineers

Operations: Cloud deployment operations for Bluemix Local and Bluemix Cloud

- OpenStack on SoftLayer bare-metal cloud
- On call operational admin for OpenStack

BLUE BOX GROUP

2014 - 2015; Linux Operations Engineer

Linux Operations engineer and DevOps role for OpenVZ hosted cloud services

Primary service owner:

Load balanced services

- High Availability Load Balanced services (HAProxy / Perl)

CA / Registrar:

- Internal Certificate Authority (Primary service owner)
- Corporate bastion/authentication gateway (SSH Key auth)

TOWNSEND SECURITY

2007 - 2013; Software Engineer

Lead C/C++ developer for cross platform client applications

Tools built:

- Corporate Certificate Authority for testing, demos and handling partner deployments
- Metrics testing : Encryption API IOPS / HA failover and scaling
- Consumer PKI deployment tool (SSL certificate) Windows/Linux
- Java key requestor client application for HSM
- Embedded key requestor client modules for HSM (ANSI C)

Tools used:

- Automation: Jenkins, AWS

Certifications: NIST certifications for core algorithm libraries written for Townsend Security

- AES, PRNG, SHA, HMAC, FIPS 140-2

REFERENCES

Available upon request