

Ramy Allam

SysOps/DevOps

Senior SysOps/DevOps engineer, experienced in Systems Administration, Cloud Computing, DevOps and Linux Hosting since 2007.

I worked as SysOps / DevOps / Site Reliability Engineer for high ranked technology providers around the world, also successfully delivered tens of projects for servers management, migration, cloud computing, database administration, performance tuning, security auditing, hardening, system automation, high availability, clustering, configuration management systems, monitoring and scripting using Python/Bash and GoLang.

Accomplishments

- Increase the delivery rate for dedicated servers deployments by **80%** at ServerHub using technologies such as PXE, IPAM, DHCP, IPMI and managing them all together using an API that I wrote using Python/Django REST framework

https://github.com/RamyAllam/kushari_ops

- Reduce the infrastructure running cost by over **70%** at Dimofinf Ltd after applying caching technologies and performance tuning on the hosting platform of online news portals such as sabq.org and ajel.sa that are hitting an average of 3 billion requests monthly
- Increase the deployments rate of Cisco IOS/NX switch fabrics by **60%** at ServerHub using a Python script to generate the configurations of L3 VLAN networking
- Collaborated with Sales teams at ServerHub to gather and validate the data of inactive clients in WHMCS Billing/CRM system to put them back as leads

https://github.com/RamyAllam/get_inactive_whmcs_data

- Wrote a Python script to analyze WHMCS orders from WHMCS database per timeframe. The purpose of this tool is to help business analysts and decision-makers to gather insights. And also sales teams to calculate their commission per month

https://github.com/RamyAllam/get_whmcs_orders_per_group

- Collaborated with billing and auditing team at Dimofinf Ltd to automatically generate a data sheet that is being formatted per each service description, its cost, and building insights for Leaseweb datacenter invoices to help them audit the invoices on a monthly basis

<https://github.com/RamyAllam/LswCSVInvoiceConverter>

Personal Info

E-mail

ramyallam87@gmail.com

LinkedIn

<http://bit.ly/2lqldjl>

WWW

<https://github.com/RamyAllam>

Skills

Linux

Cloud Computing,
Microservices, DevOps

Clustering and High
availability

Kubernetes

Python, Bash, GoLang

Apache, Nginx, LiteSpeed,
HAProxy

Web Services

Servers Administration

CI/CD, Git, Jenkins, Gitlab

MySQL, PostgreSQL, MongoDB

Redis, MemCache

Amazon Web Services (AWS)

KVM, OpenVZ, LXC, Docker

Cisco, Juniper

Ansible, Chef

PXE, DHCP

Nagios, OpsView, Prometheus,
New Relic

- Launching KVM VPS product line and building the infrastructure based on technologies such KVM, Proxmox, and Cloudinit to offer a high performance and high available computing service for ServerHub customers
- Document the process of building high available and clustered infrastructure for commons apps at Dimofinf Ltd that mainly runs on WordPress and Symfony using Nginx, CloudFlare, AWS, PHP, MongoDB, MySQL, MemCache and Redis. Also wrote a Chef cookbook to 100% automate the deployment process

Elasticsearch, Logstash, Kibana

Work History

2016-09 -
Current

Site Reliability Engineer

ServerHub, U.S Dallas/TX, Remote

- Working with the DC engineers to automate the bulk deployments using PXE, IPMI, IPAM and systems discovery
- Developing, deploying, securing and monitoring Linux servers, cloud infrastructure, and network fabrics
- Troubleshooting issues escalated by the L1/L2 teams
- Designing MicroServices for the internal infrastructure and writing REST APIs using Python, Django, MySQL and SQLite
- Writing automation scripts using Ansible, Chef, Bash, and Python for DevOps and junior SysOps teams
- Writing automation scripts using Python and Go for NetOps and Trust and Safety teams
- Writing scripts to scan the reputation of millions of IPs against major RBLs
- Writing scripts to automate rDNS, DNS delegation, and ARIN SWIP requests
- Deploying, monitoring and maintaining Cisco and Juniper switches
- Managing and developing the BareMetal product microservices such VPN, IPMI, DCIM, Imaging solutions, and Network
- Working with SMB and SME customers to integrate their used technology with our network infrastructure and helping through the migrations
- Communicating on current document processes and assisting in improvement suggestions
- Collaborating with management and different teams to improve the infrastructure
- Creating automated and scaling architecture for our cloud infrastructure
- Providing technical support to the company's customers
- Writing internal and external documentation for the network topology and the services deployment procedures
- Training for the new hires

2014-09 -
2016-09

DevOps L3 & CTO

Dimofinf Ltd, Cairo, Egypt

- Acting as a project manager and/or a technical consultant for enterprise-level and distributed systems projects
- Deploying and optimizing for LAMP, LEMP stack and reverse proxies using Nginx, Varnish, HAProxy, Squid, and LiteSpeed
- Designing various caching techniques for web apps using CloudFlare, Nginx, Varnish, Memcached, Redis
- Writing the infrastructure as a code using Ansible, and Chef
- CI/CD using Jenkins, Git, Docker, and Kubernetes
- Building and deploying for docker LXC images
- Writing microservices for SysOps/DevOps teams
- Automating backups and restores using opensource and/or in-house solutions using Python and Bash scripts
- Designing and maintaining High availability solutions for MySQL Replication/Clustering, MongoDB Replicaset/Sharding, Redis, Memcache, WebServers, LoadBalancers, Reverse Proxy/Caching, Virtual IPs, Data Replication, Shared/Distributed storage
- Mitigating DDoS and network attacks using OS and network level techniques such as GRE tunnels
- Deploying and maintaining distributed DNS cluster for shared hosting, cloud and bare-metal customers
- Writing scripts to audit the datacenter invoices, collecting information for hardware and networking and bandwidth monitoring

2011-03 -
2014-07

Linux Admin L3 & Moderator Of Hosting & Servers

Dimofinf Ltd, Cairo, Egypt

2007-01 -
2013-01

Linux System Administrator L3

3JENAN

2010-04 -
2011-03

Linux System Administrator & VP Of Hosting

Dimofinf Ltd, Cairo, Egypt

Education

2011-07 -
2015-07

Bachelor of Science: Computer Engineering

Albuhaira Higher Institute of Engineering & Technology - Egypt

2009-07 -
2011-07

Bachelor of Science: Computer Engineering

Alexandria Higher Institute of Engineering & Technology - Egypt