



CONTACT

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PROFESSIONAL SUMMARY

Accomplished Senior Systems Engineer & Administrator, Solutions Architect, Developer on full stack with a proven track record leading DevOps, Infrastructure as Code, Platform and Software as Service initiatives. Pioneered the implementations of Virtualization at Hill Air Force Base, and at [KSL.com](https://ksl.com). Fostered team building and mentoring. Adept in systems architecture, cloud solutions, and project management.

SKILLS

- Unix/Linux
- VMWare / vSphere / ESXi / Nutanix
- Cloud
- Platform as a Service (Paas)
- Infrastructure as Code (IaC)
- Python
- Project Management
- Networking / Routing
- Firewalls / VPN
- Bash / Power Shell
- Kubernetes / Docker
- Azure DevOps
- CI/CD pipelines
- AWS (EC2, ASG, S3, IAM, ECS/EKS
- ... WAF, LAMDA, RDS, DynamoDB
- ... EFS, SNS, CloudWatch, SQS)
- VMWare (vSphere, vCloud Air)
- Terraform
- Java
- JIRA / Confluence
- Json/yaml
- C/C++
- Ruby
- Node.js
- Team Building

PHILIP HUMPHERYS



EXPERIENCE

Senior Websystems Engineer Verisk Analytics - Lehi

12/2018 - 11/2023

- As senior engineer, was lead for the DevOps and Infrastructure as Code for Verisk applications on AWS
- Collaborated closely with Dev and QA to ensure that build, testing, and delivery are standardized and optimized for maximum reliability and efficiency
- Implemented robust CI/CD pipelines using Azure DevOps, and IaC best practices using Terraform, CDKTF / Typescript, and AWS CloudFormation
- Completed migration on prem VMWare / Nutanix to AWS EC2
- Managed corporate Atlassian JIRA / Confluence instance in AWS EC2 and ASG
- Developed code for development and operations using Python, Bash, PowerShell, Typescript, Node.js, and Ruby
- Developed monitoring of apps in AWS using CloudWatch and Dynatrace
- Worked a rotational on-call schedule for off-hours systems monitoring, alerting, and high availability
- Completed projects by preparing engineering designs and documents and confirming specifications

Senior Solutions Architect RackWare Inc. - Salt Lake City

11/2014 - 11/2017

- Senior Solutions Architect and Customer Facing Engineer for RackWare partners and clients, pre-sale to completion, of RMM implementation and deployment (RMM is RackWare Management Module, which is RackWare developed solution for hybrid-Cloud migrations and Disaster Recovery)
- Architected for RackWare a Proof of Concept RMM solution for client VMWare in vCloud Air: engineered an iptables bridge for VMWare's public and private networks. This solution was adopted for all cloud deployments (i.e AWS, Azure, vCloud, etc)
- Led hundreds of installations of RMM with the client / customer for thousands of migrations (lift and shift), and Disaster and Recovery (DR) deployments
- Direct Report to CTO, filled roles in Project Management conducting Agile Scrums, team building, mentoring, and training

Senior Virtualization & Linux Engineer Galileo Processing - Salt Lake City

05/2013 - 10/2014

- Lead role in migration of Corporate Office & Desktop systems to VMWare Horizon View, and virtualized payment-processing back end, database, and front end web server systems
- Provided systems administration of 150 Linux systems (physical and virtual) with extremely high emphasis on service availability in two co-located facilities (Salt Lake City & Denver)
- Advised Information Security (Info-sec) teams and Security Director for risk management, security audits, and PCI Compliance
- Provided technical support for Linux operating system related issues to internal customers

- Mentoring
- Storage SAN/NAS
- Agile / Scrum
- Chess ♟
- Technical Writing
- Root Cause Analysis
- Cost Analysis
- Project Management
- Software Development
- Data Warehousing
- Mysql / Postgres / Oracle
- Programming Languages
- System Troubleshooting
- Project Planning
- System Design
- Communication

LANGUAGES

- **Thai** 🇹🇭
Bilingual - ฝรั่งที่พูดไทยเป็น
- **English** 🇺🇸 🇨🇦
Native

Senior Linux & Network Engineer Deseret Digital Media - Salt Lake City
01/2010 - 05/2013

- Successfully virtualized all e-commerce systems infrastructures for KSL.com and other former Bonneville Intl new-media sites, reduced by orders of magnitude the hardware footprint and maintenance costs
- Administrated high-profile e-commerce website, KSL.com, which is the #1 trafficked site in Utah with over 300 million page-views per month
- Architected and implemented core networking infrastructure and firewall at Triad Center for all Deseret Management Corporation (DMC) companies
- Architect and implement Backup / Disaster & Recovery solution
- Implemented advanced routing protocols such as BGP, OSPF, EIGRP and RIP for complex network designs
- Implemented best practices regarding network security measures such as ACLs, NACLs and VLAN segmentation

Senior Virtualization & SAN/NAS Engineer Systems Implementers - Hill Air Force Base
02/2006 - 07/2009

- Completed 3-year Virtualization migration project at Hill AFB HEDC, which comprised of over 400 physical systems virtualized to 2 VMWare vSphere HA clusters, saving the public millions of dollars per year in power, hardware, and maintenance costs
- Held Secret Clearance
- Implemented 4 tiers of SAN/NAS storage (EMC Symmetrix & Clariion) at the HEDC data center
- Advised with other department heads to coordinate successful project completion



EDUCATION

Master of Business Administration (MBA)
University of Utah, David Eccles School of Business - Salt Lake City, Utah

Bachelor of Science (BS): Computer Science
Brigham Young University - Provo, Utah



CERTIFICATIONS

- AWS Certified Practitioner
- VMWare Certified Professional (VCP)



AWARDS

Utah State Chess Champion, 2016 ♟