# Philip Humpherys

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## CONTACT

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* Salt Lake City, Utah

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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>. Fostered team building and mentoring. Adept in systems architecture, cloud solutions, and project management.

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## 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

### 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

### 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

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## 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*

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## CERTIFICATIONS

* AWS Certified Practitioner
* VMWare Certified Professional (VCP)

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## AWARDS

*Utah State Chess Champion, 2016* ♟️

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