JASON RIEDEL

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Professional Summary

I am a seasoned **senior level architect & manager** with experience **designing and building infrastructure, software, and platforms at** companies like **PayPal, eBay, and Symantec** where I was instrumental in leading teams to build private (**Openstack**) & public (**AWS**) clouds. I am **passionate about** developing **people** & building a strong culture that **enables people** to realize their full potential and unleash their very best performance for the company and themselves.

Skills

- **Operating Systems:** Linux, Unix, Mac, Windows
- **Cloud Platforms:** AWS, Openstack
- **Configuration Management:** Terraform, Ansible, Puppet, and Cfengine
- **Databases:** MySQL, MongoDB, ElasticSearch, Cassandra, Redis
- **Programming (fluent):** Python, Go, Perl
- **Programming (familiar):** PHP, Ruby, Java, Objective-C, C, C++, HTML/CSS, JavaScript

- **AWS:** VPC, EC2, ELB, EBS, IAM, Route53, S3, CloudWatch, CloudTrail, Config, etc
- **Virtualization:** VmWare
- **Containers:** Docker, Kubernetes, and Openshift
- **Miscellaneous:** Apache, NGINX, Django, Flask, Spinnaker, Jenkins, ELK stack, Kafka/Storm, RabbitMQ, and Consul.

Work History

Technical Director Architect/Manager   02/2016 to Current
Symantec

I am an architect, developer, manager, mentor, and leader for teams of engineers that collectively make up the world class Cloud Platform and Engineering team for Symantec Enterprise. We design, build and run **AWS & Openstack clouds** and in house developed platform services for enterprise security products with a security first mindset.

Projects/Achievements
- Successfully architected & implemented our **AWS** architecture and married it to our private **Openstack** cloud to create a cohesive **hybrid cloud.**
- **Lead architect** and **developer (Go & Python)** of our **Cloud Intelligence Service** (CIS a **CMDB** for the **ephemeral** world) to provide data driven insight and enable **automation**, provisioning, environment consistency, **security**, audit through **change history** and environment optimization and efficiency.
- **Lead architect** for the Symantec Enterprise products **Resiliency team.** We assessed & provided detailed scoring of **all Symantec Enterprise cloud products** to inform & enable product owners (VP's and architects) how they could **increase the resiliency** of their SaaS product.
- **Lead architect** for **Event Services** part of our **Common Cloud platform** used by Symantec Enterprise Security products for foundational services such as request routing, event processing / rules engine, identity, inventory, licensing, provisioning and more.
- Additionally, I oversee the architecture of critical cloud platform services such as DNS, LDAP/AD, Cloud Health, Cloud Custodian, Janitor Monkey, and Security Monkey. As well as logging & metrics services using ELK + Influx & Grafana, our container platform Docker, Openshift & Kubernetes, image management and Big Data services (Kafka/Storm/Hadoop).

Sr. MTS Architect   02/2005 to 02/2016
PayPal

Worked with an elite team of Operations Architects designing, implementing and delivering high availability & scalability for our production datacenters, infrastructure, distributed systems, and cloud environments, while reducing cost.

Projects/Achievements
- As Lead Architect in the **Metro Datacenter program** I **Designed & implemented the next generation deployment patterns for our production PayPal cloud applications** to maximize their availability, scalability, and security while reducing cost.
- As Lead Architect for The PayPal production **DR program**. I created the architecture & implementation plans for new infrastructure, cloud application deployment patterns and datacenter designs.
- I was part of a small elite team that designed & implemented **Global Traffic Management** capabilities for **traffic routing between Availability Zones on failure.**
- Was part of an elite team of architects tasked with **re-designing** the production PayPal software servicing payments to enable high availability and scalability.
- To do this we implemented an in-memory NoSQL datastores, Journaling databases, and read only replicas.
- **Lead operations architect for a home grown NoSQL in-memory DB** that provided fast, consistent metadata state with high availability at incredible scale.
- **Lead operations architect for a home grown layer 7 router** / proxy that replaced the sites front end routing and provided additional security & availability through automated retry of failed requests.
- Lead operations architect for **PayPal Checkout.**
- Lead operations architect for **PayPal Point of Sale.**
- Handled all aspects of operational deployment and architecture for the **PayPal POS platform.** Currently deployed & in use at Home Depot, Radio Shack, Baby's R Us and other retailers.
- Provided Root Cause Analysis & drove remediation plans for significant site outages.

Code Projects @ PayPal & eBay
- Automation & Tools to manage the PayPal site fleet including, but not limited to the **management of our bare-metal, hypervisors, virtual machines, load balancers, storage, networking, and databases.**
- Code to publish data into our configuration management service/system (**CMDB**) to enable various audit, remediation, and automation of our fleet.
- **Automation for generating firewall rules**, that drastically reduced wait time by weeks.

Additional Information

Visit **http://www.jasonriedel.com** for **additional work history** & my full resume.
Visit **http://www.tuxlabs.com** to view my **technology blog**