

Jason S. Verch

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PROFESSIONAL SUMMARY

- Experienced engineer and manager with 20+ years of combined hands-on technical and management experience.
- Have built and grown SRE, DevOps, and traditional support teams from 2 to 15+ members while fostering global collaboration and guiding strategic direction.
- Designed, built, and managed, support operations for a new public cloud platform as it grew from a concept into a full-featured production system.
- Focus on continual improvement of user experience and engagement as well as growing the reliability of platforms supported.
- Manage support operations of public and private cloud solutions that support over 20,000 active developers and over 600 production applications.
- Proven track record of developing and supporting large scale systems management tools and frameworks.

EXPERIENCE

Aug 2019 – June 2020

Cloud & Automation Engineer

Virtual Clarity

- Helping our clients design, plan, and execute, large scale cloud migrations to modernize their way of doing business
- Projects primarily consisted of helping clients with large on-prem infrastructures plan their migrations to the public cloud.
- Planned and piloted end to end CI/CD driven AWS migrations.

Mar 2016 – Aug 2019

Site Reliability Engineering Manager, VP

JPMorgan Chase

- Managed a team of 10+ engineers supporting all aspects of the firm's public and private cloud infrastructure as well as related <X> as a Service offerings (Messaging, DB, etc)
- Included management of Public Cloud operations globally as well as Private Cloud PaaS and Container offerings for North America
- Led initial deployment and app/user migration to the firm's public cloud (AWS based) environment
- Worked with the firm's existing support organizations to develop new SLAs, escalation paths, procedures, etc, to bring 24/7 support to all aspects of the the public cloud on it's introduction to the firm
- Participated in high level oversight meetings to negotiate operating model with client lines of business and technology partners
- Point person for managing the technical relationship with AWS as well as internal relationships between cloud and pre-existing technology teams
- Cloud Portfolio managed includes, AWS (EC2, Direct Connect, RDS, S3, IAM, CloudTrail, CloudFormation, etc), ELK, Splunk, Datadog, Pivotal Cloud Foundry, Docker, Hashicorp Suite, Openstack

Sep 2014 – Mar 2016

DevOps Manager, VP

JPMorgan Chase

- Managed a four person team supporting the development and execution of a new regulatory forecasting platform for the firm
- Led SDLC adoption to conform to the firm's audit and technology controls requirements
- Led development of homegrown job distribution and aggregation workload system in python
- Interfaced with, and coordinated between, LOBs, developers, technology and operations groups up to the CFO level to ensure the availability and success of critical budgetary and regulatory forecasting processes

Mar 2010 – Sep 2014

Platform Engineer

Morgan Stanley

- Direct point of contact to the business for the support of high frequency electronic trading products
 - Led hardware and network refresh that brought trading latency down 25% for our clients
 - Led build out of infrastructure in Toronto that brought HFT trading on the TSX exchange to our clients
 - Interface with external vendors at exchanges and firm clients to accomplish client onboarding and changes
 - Re-Architected build automation to increase reliability and decrease time to market
- Lead for the rollout of a next generation linux platform targeted for large grid environments and low latency trading
 - Cut provisioning time of new servers by 50% to cut time to market for critical business applications
 - Enabled self service automation to lower support costs and increase reliability by limiting manual intervention
- Led onboarding of legacy Smith Barney applications to the Morgan Stanley standard operating environment
- Worked with internal regulatory groups to implement business controls on access and change management
- Thought leader and contributor to the global team supporting UNIX and Storage infrastructure for the firm
- Subject matter expert for core infrastructure team on high frequency trading infrastructure
- Built out infrastructure for the global consolidated data center project which saved the firm \$95M over 5 years
- Developed standards and procedures for lower tier technical support groups which resulted in a reduction of problem escalations by 40%, significantly lowering both support costs and mean resolution time

Mar 2009 – Mar 2010

Technology Infrastructure Lead

TradingScreen, Inc.

- Managed a 4 person team supporting all facets of technology infrastructure for the firm globally
- Managed a complex network infrastructure with heavy use of vlan tagging, NAT and several layers of firewalls for internal and external communications
- Interfaced with exchanges and clients to facilitate several new exchange connections and migrations cutting costs dramatically while increasing availability and lowering trade latency

Jan 2006 – Sep 2008

Sr. UNIX and SAN Administrator

ITG (now Virtu Financial)

- Senior Systems Administrator in a 6 person team managing approximately 800 production servers
- Responsible for end to end support of Unix platform from engineering and design through deployment and 24/7 ongoing production support
- Managed a metropolitan SAN environment across 4 physical locations
 - Grew environment from 4 to 12 Clariion arrays along with supporting silkworm switches and fibre routers
 - Implemented sancopy, clones, snapshots, and other advanced features
 - Provided end to end provisioning and support

Jun 2000 – Sep 2005

UNIX Systems Engineer

Goldman Sachs & Co.

- Technical lead of a small team that implemented a standard linux platform for global rollout
- Co-developed a patented cross platform server installation and configuration system to allow centralized configuration management across the firm
- Provided engineering support remotely to production support groups worldwide
- Maintained firm's global Solaris jumpstart infrastructure

Apr 1999 – Jun 2000

UNIX Systems Administrator

Goldman Sachs & Co.

- Team lead of a group of SAs supporting Networking, Infrastructure and Technology groups
- Developed Y2K remediation test plans and procedures

Aug 1998 – Apr 1999

UNIX Systems Administrator

JP Morgan

- Part of a three person team supporting Global Credit and Risk environments for the firm

Jul 1997 – Aug 1998

UNIX Systems Engineer

Deutsche Bank North America

- Responsible for maintaining and extending a custom in-house enterprise configuration and management system which brought faster time to market and stricter controls to the firm's systems

SKILLS

- Cloud Technologies: AWS, Pivotal Cloud Foundry, Container solutions
- Container Mgmt Solutions: Kubernetes, Docker
- Deep linux skills with 20 years of experience
- Programming Languages: Python, Perl, shell scripting, C, Java
- Five plus years Agile experience, including as developer, scrum master, and product owner
- Deployment and management of a wide range of services including HTTP, Mail, NFS, DNS, DHCP, NTP, etc.
- Management of EMC, Hitachi and Netapp storage devices

EDUCATION

State University of New York At Buffalo, Buffalo, NY

- B.S., Computer Science, Concentration in Operating Systems, May 1997

PATENTS

US Patent # 7302558, Issued Nov 2007

- [Systems and methods to facilitate the creation and configuration management of computing systems.](#)

CERTIFICATIONS

- [AWS Certified Solutions Architect – Associate](#)

VOLUNTEER ACTIVITIES

Force For Good - Technical Architect

- Technical lead for a project focused on developing software for the International Rescue Committee