

Evan Vetere

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Profile

Automation, performance-tuning, reliability engineering, and fault-triage of high-volume Internet systems. Articulate command of Unix and Internetworking fundamentals. Adept management of complexity; clear and direct social technique.

Experience

LINK PLATFORM TECH LEAD, INTERSECTION, NYC, 2016-2017

- Technical design lead for deployment at scale of iconic urban WiFi/advertising kiosk.
- Transformed Link**NYC** (designed for a particular LAN in New York) into **Link**, a generic product, deployable anywhere, e.g. London
- Created 'Link Platform', a suite of service-oriented Link management tools
- Refactored Link internal and cloud infrastructure for network-agnosticism
- Organized development efforts around 12-factor SOA lines, yielding fast-growing and diverse yet comprehensible ecosystem
- Horizontally scaled feature pipeline, with per-developer private environments and continual integration
- Introduced fully-automated blue/green CI deployments to AWS VPC via Ansible, w/ Scala apps shipped by developers via Docker to Beanstalk
- Reduced Link bandwidth utilization by 94%, facilitating deployment in constrained or metered environments
- Reduced existing log pipeline latency from two minutes to one second; reduced downtime by 97%
- Introduced time-series dashboards of Link telemetry, via collectd and prometheus, and evangelized monitoring and alerting to Support department
- Led initiative for single-codebase, many-deploys model, guaranteeing features are delivered to all installations simultaneously

CONSULTANT, MARKETBRIDGE, NYC, FEB-MAR 2016

- Deployed MarketBridge's flagship SaaS product into a SOC-2-compliant AWS EC2 environment
- Unified logins behind VPN with Simple AD, using samba4-manager for administration w/o Windows
- Docker deployment strategy for still-monolithic app
- Specified renovation of monolithic, non-MVC application along 12-Factor lines

PLATFORM ENGINEER, NET ACCESS, NEW JERSEY, 2014-2016

- DevOps role on team exposing Net Access's deep legacy automation to customers via a restful API
- Built two-factor authentication system (FreeRadius + LinOTP + slapd, proxying Active Directory)
- Federated + clustered RabbitMQ for robust inter-facility message bus
- Deployed Elasticsearch/FluentD/Kibana as a cost-effective Splunk alternative

- Introduced and evangelized Ansible orchestration framework for all host and switch configuration
- SOC-2 Type-1 certification

INTEGRATION ENGINEER, INTERNAP, NYC, 2012-2014

- DevOps role on a team integrating acquired companies' systems into Internap, beginning with Voxel's
- Designed Chef-as-a-Service product, for auto-configuration of fresh installs
- Tools engineering for the OpenStack team of iWeb of Montreal, a subsequent acquisition
- Deployment of the iWeb platform into Internap's facilities
- Training & code-review for succession of developers

OPERATIONS MANAGER, ALLEY INTERACTIVE, NYC, 2011-2012

- Responsible for new customer site on-boarding and stabilization, for a consultancy specializing in media property CMS, usually Drupal and WordPress.
- Kept alive crippled legacy customer sites for up to six months (via slow query logging, cacheing tiers, web server performance tuning, and identification of nonperformant code) while the development team built replacements from scratch
- Tutorial of client's in-house junior developers, and consultant to client hiring

SYSTEMS ADMINISTRATOR, VOXEL, NYC, 2007-2010

- Lead for operational support in the Americas, for a New York and Singapore ISP and CDN
- Responsible for customer communication (RFOs) as well as outage mitigation
- Integrated customer systems with Voxel's network: role separation, change & access control
- Improved automation and human processes to minimize recurring chronic issues
- SOC-1 compliance coaching for paying customers
- Designed a variety of app service farms, on open-source stacks, notably radiolO and a Wowza CDN

SYSTEMS ADMINISTRATOR, J.CREW, NYC, 2006-2007

- One of two Unix admins supporting a Sun Java-based commercial storefront: Oracle PL/SQL Server, SunOne, Tomcat, ATG Dynamo.
- Owned version control, including migration from cvs to svn. Audited subcontractor Java.
- Built tools for management of web catalog by business.
- Forensic analysis, documentation and management of links between website, warehouses, and call centers.

SKILLS

Configuration management (especially Ansible), web server performance tuning, OpenLDAP, subversion + git, MySQL master/master replication w/ Galera, heartbeat, Foundry & Varnish load-balancing, userland process auditing with strace, perl, and bash.

EDUCATION

Bachelor of Arts in Political Philosophy from Skidmore College, 2004

Manager of Operations and Graphic Design, *The Skidmore News*, 2001-2004