

SKILLS

Systems Administration Web and Systems Programming Project Management
Identity Management Full-Stack Development Automation Linux Virtualization
Apache/Nginx/Tomcat Elasticsearch/*SQL*/Oracle CSS/HTML/Java/JS/Perl/PHP/Ruby/etc.

EXPERIENCE

Keystone Library Network / Shippensburg University 2010 - present

Responsibilities

- Manages 100+ virtual machines, Puppet configuration infrastructure, and associated resources.
- Facilitates and automates development, testing, and deployment cycles for local projects.
- Configures web services, including Barracuda, Kemp, and HAProxy load-balancing solutions.
- Develops and maintains SaaS applications for KLN member libraries.
- Creates and updates documentation for critical services and development projects.
- Builds and maintains monitoring and information accessibility systems.

Accomplishments

- Converted existing Jasig CAS SSO infrastructure to a highly-available model, implemented responsive design, integrated remote CMS announcements, and streamlined the deployment process to eliminate downtime.
- Championed the use of revision control for local development and deployed GitLab for department use. Wrote and deployed webhooks for automated push-initiated project deployment.
- Successfully converted the KLN support process to a ticket-based system, which led to reduced request tracking fatigue and faster issue resolution.
- Started a systems testing (Jenkins + Selenium) and dashboarding (ELK + Shopify Dashing) initiative that serves application statistics, system statuses, and test results.

PROJECTS

Burnout.io (<https://github.com/bemosior/burnout.io>) 2014

An open-source mental health resource for IT professionals.

OpsComm (<https://github.com/bemosior/OpsComm>) 2014

An email contact initiator for internal processes, such as outages.

QuickDash (<https://github.com/bemosior/QuickDash>) 2013

A web dashboard that displays simple status messages about web services.

PHPPasswordPusher (<https://github.com/bemosior/PHPPasswordPusher>) 2012

Provides a more secure method for sharing sensitive information (like passwords) with others.

EDUCATION

B.S. Computer Science (Expected Fall 2014)

Shippensburg University of Pennsylvania

Red Hat System Administration I (2011)

Red Hat, Inc.