WILLIAM R. BEAN

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EMPLOYMENT:

SHOPIFY INC.
Remote, US

Senior Production Engineer, Network — *2021-Current*
- develop, scale, & support traffic routing capabilities across hundreds of kubernetes clusters & applications operating at tens-of-millions of requests-per-minute
- implement routing features & evolve network architecture safely in production systems

PIVOTAL SOFTWARE INC. / VMWARE INC.
Remote, US

Staff Software Engineer, Strategic Customer Engineering — *2020-2021*
- implemented & operated a large-scale hw/sw validation lab
- automated deployment & validation of a wide product mix in complex customer-focused topologies including all layers from physical to container
- developed automated test suites against hyperconverged hardware, network switching, VMware & Kubernetes products to validate and inform reference architectures

Reliability & Performance Engineer — *2018-2019*
- led operations of cloudfoundry PaaS used by sales & customer engineers
- improved platform reliability through use of ci/cd pipelines & observability tooling

JOHN DEERE
Moline, Illinois

Technology Architect, Web Infrastructure — *2012-2018*
- led implementation of modernization projects in areas of:
  - application cloud readiness & adoption (openstack/cloudfoundry/aws)
  - opensource adoption & community involvement (tomcat/apache/cloudfoundry)
  - enterprise-wide server configuration management (puppet/ansible)

Product Owner, Telematics — *2010-2012*
- led requirements definition efforts for key customer-facing telematics system delivery
- facilitated agile process adoption across geographically diverse development teams

Infrastructure Analyst, Web Infrastructure — *2006-2010*
- support application infrastructure for more than 600 web-based java applications
- led large-scale infrastructure migration projects impacting critical business systems

EDUCATION:

UNIVERSITY OF ILLINOIS
Urbana-Champaign, Illinois

Bachelor of Science in Computer Science — *2001-2004*
College of Engineering

APPLICABLE EXPERIENCE:

web: apache httpd, apache tomcat, envoy, ibm websphere, nginx, haproxy, f5 ltm/gtm
middleware: etcd, memcached, rabbitmq, redis
data: elasticsearch, influxdb, mysql, postgres
monitoring: collectd, grafana, nagios, prometheus
ci/cd: concourse, jenkins, github/gitlab
configuration mgmt: ansible, packer, puppet, terraform
containers: cloudfoundry, docker, helm, kubernetes, podman
clouds: aws, gcp

PROGRAMMING LANGUAGES:
proficient: Go, Lua, Python, Ruby, Shell
working knowledge: Java, Perl, PHP, Rust