

# WILLIAM R. BEAN

---

11 White Oak Dr. • Coal Valley, IL • (309) 291-1161 • wbean1@gmail.com

**EMPLOYMENT:**      **SHOPIFY INC.**      Remote, US

Senior Software Engineer, Network Foundations      *2021-Current*

- Responsible for developing & scaling ingress & east/west routing capabilities across fleet of hundreds of Kubernetes clusters & production applications
- Responsible for implementing platform routing features and network architecture changes safely into production systems

**PIVOTAL SOFTWARE INC. / VMWARE INC.**      Remote, US

Software Engineer, Strategic Customer Engineering      *2020-2021*

- Led technical implementation & operations of large-scale 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 Dell VxRail hyperconverged hardware, network switching, VMware & Kubernetes products to validate function and inform reference architectures

Reliability & Performance Engineer      *2018-2019*

- Led operations of cloudfoundry PaaS used by sales & customer engineers
- Incorporated new products & features rapidly into evolving architectures
- Improved platform reliability through use of ci/cd pipelines & observability tooling
- Provided early experience & bug reports to product development teams

**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*

- Provided application infrastructure support for more than 600 web-based 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, tomcat, ibm websphere, nginx, haproxy, f5 ltm/gtm
- middleware:** etcd, memcached, rabbitmq, redis
- data:** elasticsearch, influxdb, mysql, postgres
- monitoring:** collectd, grafana, kibana, logstash, nagios, prometheus, telegraf
- ci/cd:** concourse, jenkins, github/gitlab
- config mgmt:** ansible, packer, puppet, terraform
- containers:** cloudfoundry, docker, helm, kubernetes, podman
- clouds:** aws, gcp

**PROGRAMMING LANGUAGES:**

**proficient:** Go, Lua, Python, Ruby, Shell  
**working knowledge:** .Net, Java, Perl, PHP