# Josten Landtroop

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## Objective

Work with database technologies such as MySQL, Elasticsearch, Cassandra, and Redis. Automate Systems using Go/Python.

## Accomplishments

- Maintain open source projects: https://github.com/jersten
- Implementation of "Infrastructure as code" using Chef/Ansible.
- Implementation of ELK stack cluster for centralized systems logging.
- Architect highly available distributed systems.
- Develop infrastructure tools in Python/PHP/Golang.
- Develop user management web applications using Bootstrap, Django, and jQuery.
- Develop high performance mailer for Chrysler using AWS API/Python/boto3.

## Education

**Macomb Community College**                              May 2011
AAS Information Technology

**Certifications**
Linux+, Network+, A+, MCSA

## Experience

**Sr DevOps Engineer**                                    08/2015-present
DevOps Security Engineer

CloudPassage

Administer Cassandra, PostgreSQL, and Memcached. Develop and test Chef cookbooks. Maintain source with git. Security and penetration testing. Virtualization using AWS, RackSpace, Docker and vagrant.

**Site Reliability Engineer**                             03/2015-08/2015
OmniTI Computer Consulting

Administer Redis, Memcached, Elasticsearch, RabbitMQ and MySQL. Develop and test Chef cookbooks. Security and penetration testing. Develop infrastructure tools in Python, Ruby, DTrace and Bash. Systems troubleshooting using DTrace, perf, truss, and strace. Maintain source with git and svn. Manage domains with BIND. Architect highly available systems using HAProxy, CARP, and pacemaker. Administer firewalls, routers, and switches. Virtualization using AWS, SmartOS Zones, KVM, and vagrant. Bare-metal server administration. ZFS administration. Monitoring utilizing Nagios and PagerDuty. On-call rotation.

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**DevOps Engineer**                                                                                                12/2013-03/2015
Linux Systems Developer
Linux Systems Administrator

Security Inspection, Inc.

Administer Redis, Memcached, Elasticsearch, MongoDB and MySQL. Administer Tomcat, JBoss, httpd, Jenkins, GitLab, and others. Develop and test Chef cookbooks. Security and penetration testing. Develop infrastructure tools in Python, Ruby, PHP and Bash. Systems troubleshooting using perf, sysdig, gdb, and strace. Maintain source with git and svn. Manage domains with BIND. Architect highly available systems using HAProxy, keepalived, and pacemaker. Virtualization using AWS, vSphere, KVM, and vagrant. Bare-metal server management. Monitoring utilizing Nagios, SNMP, and Zabbix. On-call rotation. Implement automated provisioning system. Implement Chef. Implement Graphite. Administer Elasticsearch clusters with 10+ nodes. Administer multi-master MySQL Galera Clusters. MySQL performance tuning. Redis Performance tuning. MongoDB performance tuning. Administration of MongoDB replication and sharding. Implement deployment automation using Python and fabric. Develop web applications in PHP and Django.

**Linux Server Technician L2**                                                                                    05/2012-10/2013
Linux Server Technician L1

Nexcess.net

Administer Redis, Memcached, and MySQL. Administer httpd, LiteSpeed, Varnish, Qmail, PHP-FPM. Security and penetration testing. Develop infrastructure tools in PHP, Python, Go, and Bash. Systems troubleshooting using perf, sysdig, gdb, and strace. Manage domains with BIND. Monitoring utilizing Nagios, ZenOSS, and Opsview. Load testing client websites. Magento/ExpressionEngine/Wordpress development and debugging. MySQL performance tuning. Redis performance tuning.

**IT Professional**                                                                                               05/2011-02/2012

C-Net Systems

Administer MySQL for various clients. Develop eCommerce tools in Python. Maintain source in svn. Search Engine Optimization for various clients. Active Directory administration. Implement IPitomy VOIP phone system.