



Xander Harris

Cloud Architect, DevOps
Engineer, Software
Engineer

Summary

Straight shooter with upper
management written all over me.

Contact

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Skills

Operating Systems

- ◆ Red Hat Enterprise Linux
- ◆ Ubuntu Linux
- ◆ FreeBSD
- ◆ MacOS
- ◆ Alpine Linux
- ◆ ArchLinux
- ◆ Windows Server (2008 -)

Databases

- ◆ PostgreSQL
- ◆ MySQL
- ◆ DB2
- ◆ MSSQL
- ◆ NoSQL
- ◆ MongoDB

Distributed Tools

- ◆ Ansible
- ◆ Docker
- ◆ AWS EC2
- ◆ AWS S3
- ◆ AWS Route53
- ◆ Vagrant
- ◆ Spark
- ◆ Hadoop

SDLC

- ◆ Agile
- ◆ SCRUM
- ◆ Git
- ◆ Branching Models
- ◆ Sprint Planning and Review
- ◆ Commit Cycles
- ◆ Code Review

Programming

- ◆ Python
- ◆ BASH
- ◆ Java
- ◆ JavaScript
- ◆ jQuery
- ◆ XML
- ◆ PowerShell
- ◆ Ruby
- ◆ HTML
- ◆ CSS
- ◆ Scala
- ◆ PHP

Development Tools

- ◆ Maven
- ◆ Django
- ◆ Web2Py
- ◆ Flask
- ◆ VIM
- ◆ git
- ◆ Sphinx

Server Technology

- ◆ NGINX
- ◆ Apache2
- ◆ uWSGI
- ◆ gunicorn
- ◆ Postfix
- ◆ Dovecot, Courier
- ◆ Systemd
- ◆ New Relic

Quality

- ◆ Jenkins
- ◆ Code Climate
- ◆ Travis CI
- ◆ Codacy

Experience

Infor Incorporated

DevOps Engineer

Los Angeles, California

09-2019 – present

- Developed and implemented GitLab CI pipelines for numerous projects across two teams.
- Spearheaded unit testing efforts using pytest and Pester for testing of Python, BASH, and PowerShell code bases.
- Developed BASH and Python implementations of a log monitoring service.
- Participated in conference calls to coordinate and implement solutions to customer outage events.
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Tools:

Disney née Fox Media

Senior DevOps Engineer

Los Angeles, California

12-2018 to 09-2019

- Improved continuous integration, deployment, and delivery.
 - Developed multiple continuous delivery pipelines with Jenkins.
 - Architected, deployed, automated and maintained Jenkins as a service with Docker Swarm, Groovy, Bash, Kubernetes and Ansible.
 - Implemented push to deploy for several software packages.
- Replicated services and software from Fox Media AWS accounts.
 - Implemented deployment of Docker Swarm clusters to AWS with Terraform.

- › Maintained Docker Swarm clusters deployed to autoscaling groups across six AWS accounts representing environments from sandbox to production.
- › Deployed monitoring packages such as New Relic, Splunk and Sysdig to all systems managed by the operations team with Ansible.
- Participated in meetings to create consensus on best practices, define strategies and share knowledge.
 - › Attended daily standups for two separate teams.
 - › Acted as liaison between the operations and development teams.
 - › Took part in development team sprint planning, grooming, and review cycle.
- Assisted with mundane engineering tasks.
 - › Rotated through monthly on-call schedule with the operations team.
 - › Tracked tickets with ServiceNow and JIRA.
 - › Performed manual deployments of Microsoft .Net project to Windows Server 2008.
 - › Automated majority of the deployment process for the same Microsoft .Net project with PowerShell.

Tools: atom, vim, Jenkins, Docker, BASH, CentOS, Alpine Linux Python, PowerShell, JavaScript, New Relic, AWS EC*, AWS CloudWatch, Splunk, Ansible, The Update Framework, Sphinx

Experience Continued

Taos Mountain, LLC

Development Engineer

Los Angeles, California

05-2018 to 11-2018

- Participated in trainings on topics such as Python, Machine Learning, and Kubernetes.
- Acquired new certifications as required by Taos clients.
 - Google Cloud Certified Professional Cloud Architect
 - Amazon Web Services Certified Solutions Architect - Associate

Tools: vim, BASH, Python

Infor (Taos)

Senior DevOps Engineer

Los Angeles, California

06-2018 to 09-2018

- Configuration Management Database | Core
 - Updated Step Function and its constituent Lambda functions such that successfully processed events read from a Simple Queue Service queue would be written to a Kinesis stream
 - Automated the deployment of DynamoDB tables and previously mentioned Kinesis stream with Infor's proprietary configuration management tool
 - Implemented basic integration tests
 - Supplemented and refactored existing unit tests
 - Documented substantial portions of the code base with Sphinx.
- Configuration Management Database | API
 - Added API key authorization to existing API to enable access via an API Gateway to create the CMDB Client API
 - Created project documentation with Sphinx, including adding docstrings to all project functions and methods
 - Documented API actions and responses using a template based on the OpenAPI standard
 - Implemented basic integration and unit tests
 - Automated deployment of API Gateway with a custom domain name using Infor's proprietary configuration management tool
- Configuration Management Database | Monitoring
 - Wrote Python to acquire statistics and publish them to a Grafana endpoint
 - Created a Kafka producer base class to provide a formal description of requirements for statistics objects.
 - Implemented GitLab Continuous Integration for testing and deployment
 - Documented project with Sphinx

Tools: vim, BASH, Python, AWS API Gateway, AWS Route 53, AWS Lambda Functions, AWS CloudFormation, AWS SQS, AWS Kinesis, AWS S3

Gahan Corporation

Director of Technology

Los Angeles, California

05-2016 to present

- Technology
 - Manage cloud assets in Google Cloud Platform, AWS, Microsoft Azure, Digital Ocean, Heroku, and Linode with Ansible, Terraform, and BASH.
 - Developed the company websites using Python, Django, PostgreSQL, Bootstrap, jQuery, HTML, CSS and JavaScript.
 - Deployed, managed, and automated configuration of Atlassian suite (JIRA, Bitbucket, Confluence, Bamboo, Crowd) to AWS EC2 using AWS ECS, Ansible, and Docker.
 - Managed Odoo ERP services starting with version 8.0 and proceeding through upgrades to 9.0 and 10.0 using Python, Ansible, Docker, AWS EC2, AWS ECS, and PostgreSQL.
 - Managed gahan-corporation.com mail services using Postfix with Courier (IMAP) then migrating to Dovecot with Ansible, Docker, AWS ECS, and AWS Route53.
- Business
 - Worked closely with the CEO to find and develop new business.
 - Drafted and filed Articles of Incorporation as well as the contracts the corporation uses to interface with clients.
 - Started the company as an LLC and shortly thereafter converted to a domestic stock corporation.

Tools: vim, BASH, AWS EC2, AWS S3, AWS Route53, AWS ECS, AWS CLI, AWS IAM, Google Cloud Platform, Google Compute Engine, Google Big Table, Google Container Registry, Ansible, Python, Jenkins, Docker, Kubernetes, git, Nagios, Bitbucket, JIRA, Tomcat, Confluence

CSI (Gahan Corp)

DevOps Engineer

Los Angeles, California

09-2017 to 01-2018

- Client of Gahan Corporation.
- Automated management of development, staging, and production Odoo environments, as well as PostgreSQL servers and databases with Ansible and Docker.
- Designed and deployed CI/CD system with Jenkins on Linode which enabled automated testing of Python and PostgreSQL with py.test, Ansible, and Docker.
- Created, then ran the company help desk.
- Developed Odoo Enterprise Modules with Python, PostgreSQL, and SQLAlchemy that required extreme reduction of cyclomatic complexity, complete rewrites to comply with PEP8, in addition to a far greater

number of bug fixes than was ever accounted for.

- Wrote API documentation with Sphinx and improved documentation for standardization and compliance.
- Discovered mission critical inconsistencies in accounting and inventory data which was causing valuation errors in excess of one million dollars using Odoo, PostgreSQL, Python, and SQLAlchemy.
- Trained team members on the use of PostgreSQL to query and analyze accounting and inventory data.

Tools: vim, BASH, AWS EC2, AWS S3, NGINX, Jenkins, Ansible, Docker, HTML, CSS, JavaScript, PostgreSQL, Sphinx, Odoo ERP, coveralls.io, Nagios, GitHub, Bitbucket, git, Linode, patience

Experience Continued

Abiogenix, Inc (Gahan Corp)

DevOps Engineer

Los Angeles, California

08-2014 to 05-2018

- Client of Gahan Corporation.
- Developed shopping cart for my uBox medication dispenser using Django, Python, and JavaScript.
- Deployed, managed, and automated configuration of Atlassian suite (JIRA, Bitbucket, Confluence) with Amazon EC2, Amazon ECS, Ansible, Docker, and Ubuntu.
- Deployed and maintained mail services for my-uobox.com with, Postfix Courier (IMAP), Ansible, Amazon ECS, and Docker.
- Administered and automated maintenance of Odoo ERP servers (development and production) with Ansible, Python, Docker, Amazon ECS and PostgreSQL.
- Migrated my-uobox.com and abiogenix.com to Route53 DNS.
- Instructed team members on the use of Atlassian products such as JIRA, Bitbucket, Confluence and SourceTree.
- Trained team members on proper use of git and gitflow to manage branching and deployment to production.
- Implemented push-to-deploy on Abiogenix web repositories to allow developers to deploy to production without using ssh.

Tools: vim, BASH, AWS EC2, AWS S3, AWS Route53, AWS IAM, AWS ECS, NGINX, Ubuntu, Ansible, Docker, Stripe, Python, Django, Odoo, REST, Postfix, Courier (IMAP), Nagios, PHP, HTML, CSS, jQuery, git, Bitbucket, JIRA, Confluence, Tomcat, Apache2

Network of One (Gahan Corp)

Python Developer

Los Angeles, California

07-2016 to 08-2016

- Client of Gahan Corporation.
- Configured, deployed, and provided instruction for a CRM system using Ansible, BASH, and AWS EC2.
- Developed automated distribution of public keys to EC2 instances based on user groups with AWS EC2, AWS IAM, Python, BASH and Ansible.
- Automated configuration of EC2 instances with Ansible and BASH.
- Began work on software to export data from IBM DB2 into RDS using Ansible, Python, PostgreSQL, and IBM DB2.

Tools: vim, BASH, Ansible, Python, AWS EC2, AWS IAM, NGINX, Docker, IBM DB2 AWS RDS, PostgreSQL

Creative Artists Agency

DevOps Engineer

Los Angeles, California

09-2015 to 03-2016

- Implemented CI/CD for an internal project which was a year behind schedule to enable the developers to deliver bug fixes and new features daily with Jenkins, Ansible, Python, Web2Py, and Ansible Tower.
- Alerted stakeholders to failing jobs in Ansible Tower or non-functional infrastructure with New Relic, PagerDuty, Python, and Ansible.
- Trained and guided WorkDay migration team in the use of Python, Pandas and JupyterHub through completion of the project.
- Managed and monitored cloud infrastructure of roughly 30 EC2 instances using Ansible, Ansible Tower, BASH, CentOS, Ubuntu, and New Relic.
- Refactored an existing library of Ansible playbooks for scalability, speed, and stability.

Tools: vim, BASH, Ansible, Ansible Tower, Python, AWS EC2, NGINX, uWSGI, Python, Web2Py, Jenkins, Docker, Ubuntu, CentOS, JupyterHub, git, GitHub, MySQL, Slack

Toyota Motor Sales

DevOps Engineer

Torrance, California

01-2015 to 07-2015

- Automated deployment of Customer 360 services to reduce time to deploy from several weeks to less than an hour with Ansible, BASH, Java, Ant, Maven, Tomcat, and Scala Build Tool.
- Managed configuration and maintenance of Customer 360 cloud infrastructure consisting of roughly 10 Red Hat Linux EC2 instances using Ansible, BASH, and Python.
- Designed, deployed, and implemented automated tests and deployment of Customer 360 code written in Java, Scala, and Python with Ansible, BASH, Ant, Maven, and Jenkins.
- Supported a team of 25 developers with Jenkins CI, Bitbucket, and Ansible to ensure they were able to

release on time.

Tools: vim, BASH, Ansible, Jenkins, Python, Java, Ant, Maven, Scala, Tomcat, SBT, git, AWS EC2, CentOS

Toyota Motor Sales

Lead Python Developer

Torrance, California

12-2014 to 07-2015

- Provided instruction on the use of git, gitflow, Bitbucket, and best practices for commits and merges to Customer 360 developers after gaining consensus and approval of Customer 360 management with an A3 presentation.
- Refactored and developed web scraping software using ScraPY, Python, and Ansible.
- Wrote and implemented a Python style guide and provided instruction on compliance to team of remote Python developers.
- Ran daily SCRUMs for Customer 360 developers.
- Participated in sprint planning and review cycle with Customer 360 team of 25 developers.

Tools: vim, BASH, Python, ScraPY, git, gitflow, SCRUM, REST, JIRA, Bitbucket

Mintspare Incorporated

Chief Technical Officer

Alameda, California

02-2014 to 01-2015

- Responsible for the development and maintenance of all Mintspare software and computer infrastructure with Ansible, PHP, Python, BASH, Bitcoin, HTML, CSS, JavaScript, Apache 2, Ubuntu, Digital Ocean Droplets, AWS EC2, MySQL and HAProxy.
- Developed Mintspare websites using CakePHP, jQuery, HTML, CSS, Bitcoin, and MySQL.
- Interacted with Bitcoin server using PHP to allow automatic transactions for Mintspare customers.

Tools: vim, BASH, Bitcoin, PHP, CakePHP, HTML, CSS, JavaScript, jQuery, Ubuntu, Digital Ocean Droplets, AWS EC2, Python, MySQL, git, Bitbucket

VS Media

Email Analyst

Los Angeles, California

08-2013 to 12-2013

- Managed email marketing system which sent roughly one hundred fifty thousand messages per day using PHP, BASH, Subversion, and CentOS.
- Documented control flow of email system software with Dia.
- Responsible for daily marketing campaigns.

Tools: vim, BASH, PHP, HTML, CSS, CentOS, Subversion

Certification

Google Cloud

Los Angeles, California

Certified Professional Cloud Architect

10-2018



Amazon Web Services

Los Angeles, California

Certified Solutions Architect - Associate

10-2018

