**Jerry Lin**

[www.jerrylin.buzz](https://www.jerrylin.buzz/) · [LinkedIn](https://www.linkedin.com/in/jerry-lin-3327135a)

**Overview**

DevOps Engineer with diverse experience building code deployment pipelines, maintaining application infrastructure, and designing automation to support web applications located in on-premise and AWS datacenters.

**EXPERIENCE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Surescripts, LLC –** Raleigh, NC May 2020-Present

*DevOps Engineer*

* Enhanced code deployment process by building Canary-style deployments into the shared Jenkins pipeline library and Ansible deployment playbooks with automated integration tests and rollbacks
* Deployed Hashicorp Vault Enterprise in a highly available configuration across multiple environments and collaborated with both Java and .NET development teams to integrate their applications
* Improved monitoring of Production environments by writing scheduled environment validation Ansible playbooks that create ServiceNow incidents upon validation failure with incident handling instructions
* Authored and consolidated new On-Call documentation across multiple Confluence spaces that reduced On-Call training time and improved accessibility to existing documentation

**Automated Insights** - a Stats Perform Company, Durham, NC August 2019 – April 2020

*DevOps Engineer*

* Transformed a microservice based web application running on AWS into a standalone appliance using Helm, Packer, and K3s (a lightweight Kubernetes distribution), so that clients can perform an on-premise installation
* Enhanced Jenkins Pipeline Library by adding a feature to pause automated code deployments to production environments on specific dates
* Updated private Amazon Machine Images (AMIs) using Packer and Ansible so that they were built using the latest ECS-optimized AMIs based on Amazon Linux 2 and Ubuntu server 18.04
* Improved the manageability of Terraform plans by upgrading from using Terraform 0.11 to Terraform 0.12, standardizing the authentication methodology, and updating the READMEs

**Applied Predictive Technologies** – a Mastercard Company, Arlington, VA August 2017 – July 2019

*Senior DevOps QA Engineer*

* Coordinated with both Operations and Development teams to build a new deployment pipeline for SQL CLRs to SQL Server 2017
* Addressed Java security vulnerabilities by writing test plans and verifying the automated upgrade of Java via Chef across Jenkins servers and ColdFusion servers
* Improved maintenance of Jenkins instances by adding a cleanup command to an in-house C# Jenkins job generation command line tool to remove deprecated or test-only jobs

**TECHNOLOGY SUMMARY**

**Coding Languages:**

* Proficient in: Shell Scripting, PowerShell, Python, Groovy, C#

**Testing Tools:** Selenium, NUnit

**Configuration Management Tools:** Terraform, Packer, Ansible, Helm

**Automation Platforms:** Jenkins, RedHat Ansible Tower

**Artifact Management:** JFrog Artifactory

**SCM Tools:** git

**Monitoring Tools:** Splunk, AWS CloudWatch

**Databases:** SQL Server, SQLExpress, Postgres

**Systems:** Windows Server, Ubuntu, RHEL, Amazon Linux

**EDUCATION \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Georgia Institute of Technology**, Atlanta, GA August 2013 - May 2017

* B.S. Biomedical Engineering, Minor in Scientific and Engineering Computing
* GPA: 4.0, Faculty Honors, Cooperative Plan