Gabe Mendoza

Software Engineer

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Education

University of Illinois - Chicago   *Chicago, Illinois*

Bachelor of Science in Computer Science   *Aug 2012 - Dec 2016*

Technical Skills

Languages   Java, Scala, Groovy, C#, Powershell, Python

Tools   Jenkins, TeamCity, Chef, Docker, SCVMM, Hyper-V, Visual Studio Code, Git

Experience

Relativity   *Chicago, Illinois*

Software Engineer - Engineering Operations   *May 2017 - Nov 2018*

- Refined Relativity's CI/CD processes by leveraging Jenkins, Hyper-V, and SCVMM
- Implemented a Powershell module that facilitates running integration tests against any instance of running Relativity
- Wrote shared global libraries to adhere to DRY principles in CI/CD Pipelines throughout the organization
- Developed and maintained tools that automate the spin up of several types of VMs in Relativity's private cloud and connecting as Jenkins nodes
- Utilized Jenkins, Packer, and Azure VM Agents to provide scalable infrastructure capable of building .NET Core and Linux based Docker Containers
- Migrated the Relativity build from TeamCity to Jenkins to centralize on a single tool to build and test
- General support for Jenkins, Chef, Bitbucket Server

Relativity   *Chicago, Illinois*

Software Engineer - Processing   *Jan 2017 - May 2017*

- Part of a team that provide support and defect fixes for onprem and cloud customers for the Processing Vertical
- Improved developer efficiency through automation with Chef to set and validate vital VM configurations before the start of the nightly pipelines

Projects

Jenkins Master Automation

A repeatable Jenkins Master installation for personal automation and history tracking   *Oct 2018 - Nov 2018*

- Deployable anywhere that is running Docker
- Written in Powershell and Groovy
- Leverages the Configuration as Code Jenkins plugin to facilitate global configurations

Source Code Search Engine

A fast search engine for publicly available GitHub projects with ElasticSearch on the backend   *Nov 2016 - Dec 2016*

- RESTful API written in Scala with Akka Actors and Akka HTTP
- Deployed to Google Compute Engine using Docker containers running on Kubernetes

Named Entities Word Count Analyzer

A distributed MapReduce system that calculates the named entities from a wide range of file formats   *Nov 2016 - Dec 2016*

- Deployed using HortonWorks Data Platform on a local environment
- Text and Metadata extraction facilitated with Apache Tika
- Utilized arXiv.org API to provide consistent dataset of research papers

Stock Market Simulator

Uses near-real time market data to provide a learning sandbox for trading in the stock market   *March 2016 - May 2016*

- Written in C#/ASP.NET
- Transnational Records and Historical Data were logged to a Microsoft SQL Server database
- Stored Procedure SQL Queries