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

Personal 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

Interests

Playing Guitar, Sorted into Ravenclaw, Amateur Ping Pong Player, Pokemon Trainer