

Joanna Pearl Senseng

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🐙 jsenseng.github.io/

Proficiency

- **Programming:** Python, Git, C#, HTML, CSS, React.js, Node.js, Ansible, Bash, SQL, PostgreSQL
- **Tools:** Ansible, AWS, Chef, Dynatrace, Jenkins, Kubernetes, MuleSoft, NetSuite, ServiceNow, Splunk, SQL Server, Tableau
- **IT/Business:** Agile Development, Analytics, Project Management, Process Engineering, System Analysis
- **Language:** English (fluent), Tagalog (fluent), Spanish (limited working proficiency)

Education

Virginia Commonwealth University

Bachelor of Science in Information Systems

Experience

Federal Reserve Bank

Engineer

August 2019-Present

- Collaborated with cross-functional teams to understand, identify, and develop automation use cases
- Increased platform resiliency by utilizing monitoring tools, logs, and Ansible playbooks to alert and perform self healing actions
- Developed roles and playbooks for interfacing with ServiceNow, such as change validation, creating changes and incidents, and updating status for change and incident tickets
- Expanded Ansible Automation Platform services by adding integration to CyberArk, ServiceNow, Dynatrace, and Venafi
- Performed monthly patch release with minimal downtime using blue-green deployment by creating silver images and updating the Launch Configurations and Auto Scaling Groups
- Supported NIS and FedLine with MuleSoft API efforts, including deployment and testing of tokens and endpoints

CoStar Group

Automated Data Collection Engineer

May 2018-August 2019

- Extracted data by developing web crawling solutions using Scrapy and Content Grabber, enhanced with techniques for handling dynamic content, pagination, and URL traversals
- Augmented 1.5 million CRE records by cleansing, transforming, and validating data obtained from web crawlers
- Developed data visualization dashboards and routinely presented to leadership the results and success stories from the automated data collection team
- Partnered with a UX designer to build a responsive UI using the retrieved data to be used by researchers to supplement their daily tasks and goals
- Collaborated with team members to maintain code quality and integrity by performing routine code reviews and participating in agile ceremonies

Whitlock

IT Intern

August 2017-May 2018

- Migrated legacy ERP platform to NetSuite according to project schedule and addressed scope creeps
- Cleansed, massaged, and imported data using SQL Server Integration Services and ODBC
- Optimized business processes by creating saved searches and dashboard with drilldown features
- Streamlined financial services by partnering with the financial team and initializing automatic billing

ECMC: College Abacus

Product Development Intern

May 2015-August 2015

- Accomplished weekly and monthly goals of expanding Net Price Calculator availability of 48,000+ post-secondary institutions
- Developed comprehensive test plan and test use cases to ensure accurate data
- Improved user experience by collaborating and sharing feedback with the platform developers and research team
- Generated documentations for training and QA process