Joanna Pearl Senseng

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Proficiency

- **Programming**: Python, Git, C#, HTML, CSS, React.js, Node.js, Ansible, Bash, SQL, PostgreSQL
- **Tools**: Ansible Automation Platform, AWS, Chef, Dynatrace, Jenkins, Kubernetes, MuleSoft Anypoint Platform, NetSuite, ServiceNow, Splunk, SQL Server, Tableau, Power BI, MS SQL Server, Postman, GitLab, GitHub
- **IT/Business**: Agile Development, Analytics, Project Management, Process Engineering, System Analysis, IT Audit
- **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

- Reduced toil by 50-90% for cross-functional teams by understanding, identifying, developing automation solutions
- Increased application and infrastructure resiliency and stability by utilizing Dynatrace, ServiceNow, Ansible, and Event Driven Ansible to alert and perform self healing actions
- Enhanced Red Hat Certified collection for ServiceNow automation by using Python and Ansible playbooks to develop custom modules and roles
- Reduced deployment time for teams by developing CICD solutions using GitLab and Jenkins
- Produce zero downtime for performing monthly patch release by implementing blue-green deployment in AWS using Route 53, EC2, ELB, CloudFormation, and Auto Scaling
- Supported and increased security for critical applications owned by Markets and FedLine using MuleSoft Anypoint Platform by troubleshooting RAML files, deploying API, and testing endpoints using JWT, mTLS, and Postman
- Supported FRB Markets, WPO, and FedLine by developing automation solution for ensuring service window for core operating hours and audit

CoStar Group

Automated Data Collection Engineer   May 2018-August 2019

- Extracted data by developing web crawling solutions using Scapy and Content Grabber, enhanced with techniques for handling dynamic content, pagination, and URL traversals
- Augmented 1.5 million CRE records by implementing ETL on data obtained from python web crawlers using MS SQL Server and stored procedures
- Developed data visualization dashboards using MS SQL Server Reporting Services and routinely presented to business leadership for promoting the ROI
- Partnered with a UX designer to build a responsive application using React.js to be used by USA and UK CRE 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 developing NetSuite saved searches and dashboard with drilldown features
- Streamlined financial functions by partnering with the financial team and initializing automatic billing

ECMC: College Abacus   May 2015-August 2015

Product Development Intern

- 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