

Software Systems Engineer Software Systems Engineer Software Systems Engineer - EnguOx Corporation DevOps / Software Development / Migration to Cloud / Cross Cloud Development Use Case Definitions / Software Engineering / Rapid prototyping / CI / SDLC / Agile / Scrum / Jira IaaS / SaaS / PaaS / Automated configuration development and integration Network Intrusion Detection Systems / Predictive Analytics ID.NASA.GOV - Security Clearance Confidence L40 for Engineering Roles at NASA - US Citizen Automation in Bank of America Quartz Development Environment Root-Cause-Analysis / dynamic teaming / Self motivated, strong self discipline Four plus years JPMC infrastructure support, automation, application development support Strong interest in disruptive trending new technologies Work Experience Software Systems Engineer EnguOx Corporation - Brooklyn, NY September 2017 to Present Debug / define / develop Amazon Lambdas in NodeJS / Python / Kotlin for Jenkins work flow Evaluate / Plan / Design / Implement M/L AI Uses Cases for Unstructured Learning Configure Lambda functions with "stay-alive" token extending application abstraction Test / debug / troubleshoot microservices api backend components Assist with dynamic software deployment using ansible, vagrant, and docker Develop Use Cases for hardware / software development and integration Design and coded intranet sites on WordPress Templates / Themes / Plugins Work with WuCommerce / Stripe / UPS.com Wordpress integration Application / component translation:extraction / customize Wordpress functions in NodeJS / Python Researching Python RPC for multi-platform/language app modules when code is restricted Participate with Asus Tinkerboard Debian (RaspberryPi) R&D o embedded Linux Applications Development / automated media file scheduling system o wire-mesh extended sensory - data I/O and custom driver for electro mechanical input Volunteer time to aid with product use cases: inception / design / integration for Startups: Based in: Toronto / Lagos /Accra / Sao Paulo / Sydney / London / Melbourne / Austin Python Developer Bank of America - Houston, TX December 2017 to May 2019 Assisted developers with code violations / warnings / errors pre:post compile to Quartz Automated parts of Review process to aid with overall processing developer code review requests Reviewed / Analyzed / Python / HTML5 / Quartz code for development life-cycle (dev/uat/prod) release. Applied Python OOP APIs / REST API / Object

Filesystem for use with Quartz databases Refined / mapped data structures to databases use SQLAlchemy Automated data structure mapping to dynamic tables Leveraged WebGems, Customized Quartz Python API / QzDesktop/QzReview for utility maintenance Debugged QzDev / Revised Refactored Python code / Defined dynamic Order Work Flowcharts Aided with Rules Engine Development for Quartz rules/roles processing Participated with Brainstorming for new functions / solutions DevOps Systems Engineer INVESCO, Ltd - Houston, TX August 2016 to September 2017 Developed Custom Python Scripts to aid with automated RHEL Build distributed via Puppet Revised / debugged / integrated Python / Bash / Ruby - scripts from github for DevOps IVZ Labs Work with CloudTeam via agile project execution lifecycle o Amazon AWS (CLI Shell PythonSDK) integration / support o Use Python boto3 lib to control AWS general usage / functions o R&D custom scripts / tools facilitate fluid navigation of Amz Services Lib / Lamda o Researched HashiCorp Terraform / tools functions & scripts for AWS / Azure o Devised python scripts to control creation / reclamation Amazon structures o Evaluated to automate AWS structures with Python Assisted with automated ServiceNow triggered build process (Python / bash / Powershell) Aided network monitoring team with SolarWinds Integration (scripting installs via Puppet) Debugged Revised Refactored bash / Ruby / Python code Participated with Invesco HackDay-Hackathon - customizing Amazon Alexa skills for use with intranet tools Provided Linux / Unix infrastructure support for 700+ Servers utilizing Puppet Coordinated Solarwinds training and support L3 issues for Hyderabad Operations Team Information Data Systems NASA Johnson Space Center - Houston, TX May 2016 to August 2016 Systems Engineer ITAMS Contract DB Consulting Group, Inc September 2015 to April 2016 - SysAdmin Assisted Mission Control coverage CSL Xen Servers/ Branch repeaters for ISS Astronaut VM Sessions. Created bash / python scripts to capture system outages to automatically restart resources as needed Supported RHEL for HA NFS / DMP Patched / configured / Linux/Solaris build, OS agents, Revised Linux build procedures, kickstart scripts, dev environment for testing, automation routine SA Tasks Worked in ITAMS / COMIT R&D Labs: o Researched methods for automating alert capturing using Bash / Python scripts o Actively simulated production issues in Lab environment to minimize downtime o Explored

methods to incorporate event triggered scripts automating routine SysAdmin Functions o Provided Support for Blade Logic Environment / work with BLAdmins on automation Worked with PMP / Solution Architects / external vendors with Projects: o NetBackup Upgrade and Migration & Oracle VM & DB Migration - Ongoing o Coordinated scheduled outages / assist professional services, vendors escalations Participated in Aided RHEL KB Vendor ticket & research / Net Backup Client Troubleshooting o Contributed to documentation efforts procedures and ITAMS Systems Build Documents Systems Engineer / SysAdmin (Associate) JP Morgan Chase, N.A - Houston, TX February 2010 to April 2015 Houston, Texas Feb 2010 - Apr 2015 Systems Engineer / SysAdmin (Associate) Researched autonomous System / Incident evaluator Python tool to diagnose system issues /self resolve, and integrate with CF Engine implementation Debugged / created / Refactored / Revised Python, Bash scripts to automate routine application operations Participated with VMware VCOPs(vRealize) Bank pilot program to reduce internal incident alerts via (pre- dictive / preemptive) detection reducing incident tickes. Participated vCOPs implementation / testing team Worked VMware Support team to troubleshoot distributed resource scheduling algorithm issues with Linux VMs - used (VCOPs:vRealize) to isolate "new normal" alert levels, performance bottlenecks Constructed workflow diagrams from existing Python code/ performance tune application function Evaluated / Debugged Kickstart anaconda (Python) errors for automated system builds Evaluated system performance, Keon / LDAP / Security, SAN allocation, Oracle RAC, Apache, capacity planning, change management related incidents and middleware operating environments daily Aided with driving P1/P2/P3 BAU incidents via HP Peregrine to completion via dynamic teaming with vendors and application support teams; Worked with change management, software releases for dev/uat/prod application support teams Participated with isolated LOBs migration to CoreServices / GTI BAIO Unix Systems Administrator TGS-NOPEC, Geophysical Corporation - Houston, TX June 2008 to February 2010 Supported Panasas storage cluster environment Leveraged Nagios / Ganglia monitoring tools for resource management Aided with DEV R&D Builds using VMware ESXi5.5 for CentOS / RedHat installs Tested kickstart builds, patching on VMs Refined kickstart (Python) scripts for automated builds prod:uat for app testing NFS / Samba performance tuning

Troubleshoot large compute operating network Supported mSQL / SQL / Relational db
 implementations and dev environments Operated / support / maintain Opsware infrastructure.
 Install / Configure / troubleshoot - webapps into existing and new environments Debugged /
 Troubleshot existing Python code Aided in converting Bash -> Python scripts for legacy
 system upgrades Supported large 1000+ node grid cluster per project for on demand HPC 412
 rack Links <http://ID.NASA.GOV> Additional Information TECHNICAL SKILLS Languages: Python,
 Java/Kotlin, Javascript:NodeJS, C++, Groovy Amazon: AWS / AWS Python SDK / EC2 / S3 /
 DynamoDB / Cloudwatch: Tags / CloudFormation Amazon: Lambda / Application: Modules
 Extraction to Lambdas, Terraform Configuration Testing Research BigData: Hadoop: Hive,
 HBase, HDFS, YARN, MapReduce, Modes:Debug->Distributed PythonTools:
 Anaconda:Navigator, Jupyter:Notebook/Lab, TensorFlow, SQLAlchemy, numpy, nltk, scrapy
 Python RPC: RPyC, PyRo4, xml-rpc, SOAPpy, AJAX, Rest Python SDKs to interface with VMware
 / AmazonAWS / MS Powershell CLI / OracleVB BuildTools: JQuery, Angular, ReactJS, CSS,
 WordPress, Elementor, AWS-Cloud9, NetBeans, VisualCode DevOps: GitHub, Jenkins, ansible,
 vagrant, docker, kubernetes, git/gitBash, Cygwin, csh/zsh/bash Virtualization: Vmware: vSphere,
 VmServer, ESXi, vCOPs/vRealize, Vmotion, VmPlayer, Oracle Virtual Box, Redhat Enterprise KVM
 / Citrix XEN / Remote: RDP, RealVNC, TeamViewer Hardware: HP: Proliant BL/DL/ML Series,
 Dell PowerEdge Series, Oracle Servers Security: Hardening, Tripwire, QualsGuard,
 McAfee:MVM, Nessus, SCCS, WireShark, IPTables, SELinux O/S: Linux: RedHat: CentOS /
 SuSE / Debian/ Solaris: 10/11 - Windows SBS / BackOffice Database: MongoDB, mySQL,
 Oracle SelfStudy: o Python / Go / R / Java/Kotlin / Javascript: NodeJS / React / Angular / Vue /
 Meteor / C++ CUDA o Amazon Cloud9 IoT - Core DeepLens Lex - Alexa Skills Development o
 AWS Lambda: App workflow to function abstraction: iaas, saas focus o Nessus Automation - NDIS
 and Cyber Defense Systems o Dynamic Logic Algorithms / RHCE 7.x -

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