Sylvester Ranjith Francis

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EXPERIENCE

Network Analyst Co-op   Descartes Systems Group

Sep 2022 - Dec 2022   Waterloo, ON

- Responsible for creating automation scripts in Ansible and Python with respect to network device compliance.
- Continued with monitoring and maintaining previously migrated functionality from Ansible to Ansible Tower.
- Implemented Role-based access control, created multiple plugins and modules for the purposes of automating tasks.

Network Analyst Part-time   Descartes Systems Group

Jan 2022 - Aug 2022   Waterloo, ON

- Responsible for maintaining and performing modifications of the automation tool built for the Network team.
- Initiating a migration effort of existing tool to Ansible Tower and Architecting the migration effort to Ansible tower.
- Responsible for on-boarding,training and mentoring a new co-op student with the common tools and best practices used in the organisation.
- Planning an initiative for a proof of concept utilising Logic Monitor as a primary monitoring tool for the network team's automation efforts.

Network Analyst Co-op   Descartes Systems Group

Sep 2021 - Dec 2021   Waterloo, ON

- Automated processes related to Network Monitoring,utilising Python,Ansible and SolarWinds Orion DB to generate statistical reports for both NA and EMEA regions.
- Worked with devices from different vendors like Cisco,Juniper,Checkpoint and Moxa.
- Wrote many CRON jobs to automate generating reports from device statistics using different modules from Ansible and Python.
- Demonstrated Excellent Work Ethic, Organisational skill,Team ethic and prompt delivery of tasks assigned.

Software Development Intern   Valeo

Jun 2019 - Mar 2020   Chennai, India

- Developed traceability tool to automate time consuming tasks,using Python,Qt and several other analysis and parsing techniques resulting in a 75% efficiency increase.
- Built an Object Detection model using TensorFlow Object Detection API capable of running on an embedded Renesas Processor.

Technology Consultant   Sathya Technosoft

Jun 2016 - May 2019   Chennai, India

- Managed IT staff monitoring,diagnosing server and data centre problems.
- Migrated the existing services to AWS and Azure based solutions, optimising the workflow of several clients.

TECHNICAL SKILLS

- **Databases**:MongoDB,CouchDB,Cassandra,MySQL,Firebase,Redis,Orion SWDB.
- **Data Analysis Tools**:Hadoop,Hive,Pig,Sqoop,Spark,Kafka.
- **Automation and Monitoring Tools**: Ansible,Ansible Tower,Logic Monitor.
- **Web Development**:HTML,CSS,JavaScript,Bootstrap,ReactJS,Angular,Node.js.
- **Applications**:Visual Studio,Android Studio,Github,VirtualBox,VMware,Vsphere.
- **Deployment Platforms**:AWS,Azure,GCP,Linode,Heroku,Openshift.

- **ML Frameworks**:Scikit-learn,Tensorflow,Dialogflow,Pytorch and Keras.
- **Operating Systems**: Unix,Linux,Mac OSX,Windows,Android,Kali Linux.
- **Other Tools**:Git,Bitbucket,Trello,Asana,Jira,LaTeX.

EDUCATION

Conestoga College, Waterloo, Ontario
- *Post Graduate Certificate (Co-op)*, Big Data Solutions Architecture,
  Jan, 2022 - Dec 2022(Expected),GPA: 3.93
- *Post Graduate Certificate (Co-op)*, Computer Application Security,
  Jan, 2021 - Dec 2021,GPA: 3.88

VIT University, Vellore, India
- *Masters*, Computer Science and Technology,
  Jul, 2018 - Jun 2020

Anna University, Chennai, India
- *Bachelors*, Computer Science and Engineering,
  Aug,2012 - Apr 2016

ACADEMIC ACHIEVEMENTS
- Graduated with honors - High Distinction for Computer Application Security. (Conestoga College)
- Mentored fellow masters students along with PhD scholars conducting sessions on Python and Machine Learning. (VIT University)
- Received a letter of Appreciation for spear-heading an industrial project with TVS India PVT.LTD. (VIT University)

PUBLICATIONS
- Predicting the Existence of Brain Tumour in MRI Images by Applying FCNN
  Published in July 2020
  Link:http://ijop.net/index.php/mlu/article/view/1426/1299

CERTIFICATIONS
- Amazon Cloud Certified Practitioner - Amazon
  Jun 2020 - Jun 2023