

SYLVESTER RANJITH FRANCIS

+1(548) 333-4865 ◇ Waterloo, ON

sylvesterranjithfrancis@gmail.com ◇ <https://www.linkedin.com/in/sylvesterranjith/> ◇ www.sylvesterranjithfrancis.com

CAREER SUMMARY

- Completed 5 years of Software Development experience with specialization in Application Development, Python Scripting, and Automating tasks.
- Dedicated to providing optimized solutions while giving emphasis to the best practice guidelines.
- Seeks a **Full-Time Software Development** role from **January 2023**.

EXPERIENCE

Network Analyst Co-op

Descartes Systems Group

Sept 2021- Dec 2022

Waterloo, ON

- Automated processes related to Network Monitoring,utilizing Python,Ansible and SolarWinds Orion DB to generate statistical reports for both NA and EMEA regions.
- Operated 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 Organisational skill, Team ethic, and prompt delivery of tasks assigned.
- Accelerated maintaining and performing modifications of the automation tool for the Network team.
- Initiated a migration effort of an existing tool to Ansible Tower and Architected the migration effort to Ansible tower.
- Mediated onboarding, training, and mentoring a new co-op student with the common tools and best practices used in the organization.
- Devised an initiative for a proof of concept utilizing Logic Monitor as a primary monitoring tool for the network team's automation efforts.
- Implemented Role-based access control and created plugins and modules for the purposes of automating tasks.

Software Development Intern

Valeo India Pvt.Ltd

Jun 2019 - Mar 2020

Chennai, India

- Developed a tool to automate time consuming tasks,using Python,Qt and NLP parsing techniques resulting in a 75% efficiency increase.
- Conceived an Object Detection model using TensorFlow Object Detection API capable of running on an embedded Renesas Processor.
- Coordinated with teams from Cairo Research center, understood the workflows and developed automation tools customized for day-to-day use.

Technology Consultant

Sathya Technosoft Pvt.Ltd

Jun 2016 - May 2019

Chennai, India

- Migrated the existing services to AWS and Azure-based solutions, optimizing the workflow of high profile clients.
- Overhauled the obsolete legacy Java source code of production android applications by refactoring to Kotlin, resulting in increased usability and reduced run time performance by 30%.
- Pioneered the development of cross-platform web applications based on MERN Stack, while following the best practices.
- Designed user interface modules whilst following the design guidelines provided by both Google and Apple in the respective developer guides.

- Cut memory usage by 65% through improved coding practices and algorithm optimization, increasing the ability to run intensive applications with negligible lag.

EDUCATION

Conestoga College

Waterloo, ON

- Post Graduate Certificate (Co-op), Big Data Solutions Architecture Jan 2022 - Dec 2022(Expected)
- Post Graduate Certificate (Co-op), Computer Application Security Jan 2021 - Dec 2021

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

SKILLS

Programming Languages

Python,Java,Kotlin,C#, ASP.Net MVC.

Data Analysis Tools

Hadoop,Hive,Pig,Sqoop,Spark,Kafka.

Automation and Monitoring Tools

Ansible,Ansible Tower,Logic Monitor.

Databases

MongoDB,CouchDB,Cassandra,MySQL,Firebase,Redis,Orion SWDB.

Web Development

HTML,CSS,JavaScript,Bootstrap,ReactJS,Angular,Node.js.

Application and Virtualisation Tools

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

RHEL,Mac OSX,Windows,Android,Kali Linux.

Other Tools

Git,Bitbucket,Trello,Asana,Jira,LaTeX.

PROJECTS

Customer Purchase Patterns Designed a tool to analyze customer records from a popular appliances store, to predict purchase patterns and trends utilizing different machine learning algorithms. ([View here](#))

Transfer Learning Demo Implemented an image classifier to demonstrate the relevance of transfer learning and the applications to the class of 2022 Big Data Solutions Architecture.Utilized TensorFlow Object Detection API and SSD-mobilenet model to build the classifier.([View here](#))

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 ML algorithms.(VIT University)
- Received a letter of Appreciation for spearheading 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. ([Read here](#))

CERTIFICATIONS

- Amazon Cloud Certified Practitioner - Valid till Jun 2023