SYLVESTER RANJITH FRANCIS

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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.

EXPERIENCE

Software Developer(wGln Team)   *Jan 2023- Present*
Descartes Systems Group   *Waterloo, ON*

- Software Developer with a strong foundation in software development and a passion for building innovative solutions.
- Proficient in Microsoft .NET technologies, including C#, ASP.NET, and SQL Server, with the ability to create reliable and efficient code.
- Experienced in web development using HTML, CSS, and JavaScript to build responsive and user-friendly applications.
- Knowledgeable in SQL Server, Entity Framework, and LINQ for effective database management and optimized query writing.
- Collaborative team player with excellent communication skills, capable of working effectively in an Agile environment and contributing to project success.
- Wrote many CI/CD pipeline scripts to automate deployment in LAB,QA and PROD environments.

Network Analyst Co-op   *Sept 2021- Dec 2022*
Descartes Systems Group   *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.
- 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.

Software Development Intern   *Jun 2019 - Mar 2020*
Valeo India Pvt.Ltd   *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
- Post Graduate Certificate (Co-op), Computer Application Security

Jan 2022 - Dec 2022(Expected)
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)

PUBLICATIONS

- Predicting the Existence of Brain Tumour in MRI Images by Applying FCNN Published in July 2020. (Read here)