SYLVESTER RANJITH FRANCIS

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Experienced Full Stack Software Engineer specializing in Python-based development for client apps, websites, and API implementation. Proficient in crafting end-to-end solutions that enhance user experiences and streamline functionality. Skilled in developing dynamic front-end interfaces using modern frameworks and designing robust back-end systems for efficient data management.

**TECHNICAL SKILLS**

* Programming Languages: Python,Java,Kotlin,C#,ASP.Net MVC
* Web Development Frameworks: HTML,CSS,JavaScript,Bootstrap,ReactJS,Angular,Node.js
* Databases: MongoDB,CouchDB,Cassandra,MySQL,Firebase,Redis,Orion SWDB.
* ML Frameworks: Scikit-learn,Tensorflow,Pytorch and Keras.
* Automation and Monitoring Tools : Ansible,Ansible Tower,Logic Monitor.
* Operating Systems: RHEL,Mac OSX,Windows,Android,Kali Linux
* IDEs/tApplications: Visual Studio Code, Microsoft Office 365, Android Studio
* Other Tools: Git,Bitbucket,Trello,Asana,Jira,LaTex

**WORK EXPERIENCE**

***Software Developer***

*Descartes Systems Group, Sorel Tracy 01/2023 - present*

* Proficient in .NET technologies and TypeScript, crafting efficient code and utilizing SQL Server for optimized performance.
* Skilled in responsive web development using HTML, CSS, and JavaScript, enhancing user experiences.
* Experienced in Next.js for building dynamic web applications with seamless navigation.
* Proficient with SQL Server, Entity Framework, and LINQ, optimizing data queries for effective management.
* Effective team player with strong communication skills, contributing collaboratively within Agile frameworks.
* Knowledgeable in CI/CD scripting for automated deployment across diverse environments.

***Network Analyst***

*Descartes Systems Group, Waterloo 09/2021 - 12/2022*

* Successfully initiated and oversaw the migration of an existing tool to Ansible Tower, reducing manual workload by 30% and increasing automation efficiency by 40%.
* Automated processes related to Network Monitoring, utilizing Python, Ansible and SolarWinds Orion DB to generate statistical reports for both NA and EMEA regions.
* Authored over 20 CRON jobs to automate report generation from device statistics, leading to a 15% decrease in error rates and saving approximately 15 hours of manual work per week.
* 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.
* 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 Engineer***

*Valeo, Chennai 06/2019 - 03/2020*

* Created an automated tool leveraging Python, Qt, and NLP parsing methods, leading to a substantial 75% boost in efficiency.
* Envisioned an Object Detection model utilizing TensorFlow Object Detection API, designed to operate on an embedded Renesas Processor.
* Implemented a real-time data visualization dashboard using web technologies (HTML, CSS, JavaScript) to provide actionable insights from the automated tool's output, enhancing decision-making processes.
* Collaborated seamlessly with Cairo Research center teams, gaining insights into workflows, and crafting tailored automation tools for daily operational enhancement.

***Technology Consultant***

*Sathya Technosoft, Chennai 06/2016 - 05/2019*

* Enhanced Cloud-based Workflow: Transferred services to AWS and Azure, optimizing operations for high-profile clients.
* Android Optimization and Modernization: Overhauled legacy Java to Kotlin in Android apps, boosting usability and cutting runtime by 30%.
* Innovative Development and Efficiency Gains: Led MERN Stack cross-platform web app creation, designed user-centric interfaces, and achieved a 65% memory reduction through strategic coding and algorithmic enhancements.

**EDUCATION**

* Post Graduate Certificate (Co-op), Big Data Solutions Architecture Conestoga College
* Post Graduate Certificate (Co-op), Computer Application Security Conestoga College
* Master’s degree, Big Data analytics and AI Specialization, VIT, Vellore
* Bachelor’s degree, Computer Science Engineering, Anna University, Chennai