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