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About Me

As a **software engineer** specializing in **Automation** and **Cloud technologies**, I develop scalable solutions using Python and cloud platforms. I'm passionate about optimizing processes and leveraging technology to drive business innovation.

Education

BE in Computer Science, AMC Engineering College Bengaluru   Aug 2018 – Aug 2022

Experience

Analyst A4 /Software Engineer - Capgemini   September 2022 – Present

Responsibilities and Achievements:

- Enhanced various Business Units by implementing automation solutions, focusing on developing innovative bots.

Automation Scripts and bots:

- Developed bots for health checks on storage systems across various client servers such as Linux, VMware, Vcenter, and Windows. improving the time efficiency by 35%.
- Wrote a script to Automate the task of accessing storage details over several virtual storage devices (LUN), which gave detailed info on an HTML page.
- Engineered a bot to see all the services on the system are up and running, and also enable them based on requirement.

Cloud Technology:

- Underwent Cloud Infrastructure Service training, worked on Windows and Linux administration in the simulation lab
- Created a site-to-site VPN connection over a single tunnel using Openswan to establish a secure, encrypted connection between two distinct locations. This setup facilitates seamless and secure communication between the remote networks over the internet.
- Configured an Application Load Balancer (ALB) on AWS to distribute incoming application traffic across multiple targets, ensuring high availability and fault tolerance.
- Set up a NAT Gateway to enable all EC2 instances in a specified private subnet to access the internet. This configuration allows the instances to initiate outbound connections while keeping them secure from unsolicited inbound traffic inside the VPC.

Projects

ADAS with Object Detection and Tracking for Low Visibility Conditions: An ML project that helps riders ride during bad lighting and weather conditions using object detection and tracking.

DBMS: A music management system built using cross-platform XAMPP, on MySQL database that stores data of all the songs, albums, and artist lists in it.

Web scrapping: Implemented an ETL process to scrape data on phones from the Amazon website, storing the results in CSV files. This process includes extracting information, transforming it into a structured format, and loading it into CSV for analysis.

Key Skills

Programming Languages: Python

Cloud Services: AWS EC2, AWS Cloudwatch, AWS VPC, AWS S3 bucket, Amazon EventBridge, AWS IAM.

Tools: Anaconda, VS Code, Putty, Pycharm, Excel

Languages

English, Kannada, Hindi