Apnatva Singh Rawat

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SUMMARY

Software Developer with 2 years of experience, proficient in Python and SQL. Skilled in developing high availability web applications and scripting, with several projects utilising AI(Deep Learning), Web Scraping, and Data Analysis. Seeking roles leveraging Python and AI to build impactful solutions for everyone.

TECHNICAL SKILLS

Programming and Tools: Python, SQL, GO, Git, Linux

Others: Scrum, Azure, POSTMAN, Kafka, Kubernetes, REST APIs, Anaconda, PyTorch, TensorFlow, Pandas, NumPy, Beautiful Soup, Selenium

EXPERIENCE

ANAND RAWAT & CO. CHARTERED ACCOUNTANTS – SEP 2024 - NOV 2024
PYTHON DEVELOPER (CONTRACT)

- Developed a standalone Windows executable Python script to automate the extraction and compilation of data from Excel files with multiple sheets, eliminating manual processes.
- Optimised data consolidation, reducing processing time from 1 week to ~10 minutes, generating 4 consolidated sheets from 128 individual sheets across 32 files.
- Utilised Pandas operations, including complex joins, to extract actionable insights from consolidated datasets.

AVAYA INTERNATIONAL – MAY 2023 - JUL 2024
JUNIOR SOFTWARE DEVELOPER

- Maintained a high availability, multi-tenanted Kubernetes based web application with Docker containerised micro-services hosted on Azure requiring 99.99% uptime.
- Developed and deployed 16 Go and Java based micro-services integrated with Apache Kafka to achieve high-throughput and low-latency data flow.
- Spearheaded development of 2 new features co-ordinating between 4 teams for successful rollout fulfilling 100% of the requirements, accomplishing the task before deadlines.
- Executed bug triaging via Loki and Prometheus(Grafana) and optimised existing services to tackle performance bottlenecks. Ran network performance tests in local and private cloud environment to evaluate improvements.
- Upgraded Jenkins CI/CD pipelines for automated testing and deployment of services to test environments.

MOUNT TECHNICS CONSULTANCY – MAY 2022 - AUG 2022
PYTHON DEVELOPER (INTERNSHIP)

- Engineered an automated data pipeline to retrieve information via web scraping and REST APIs, removing the need for manual intervention by 95%.
- Developed a Python script to scrape and process JSON data in multiple languages from Twitter, Google News, and Facebook, compiling it into an (MS)SQL database for sentiment analysis in less than 2 minutes.
- Collaborated 1:1 with a senior manager to meet weekly targets, ensuring high-quality deliverables and fulfilling 100% of the project requirements earlier than expected.
- Gained an understanding of ETL and developing scalable solutions to retrieve raw data from the web and managing complex SQL queries to store, manipulate, and retrieve extracted data.

EDUCATION

TRINITY COLLEGE DUBLIN – OCT 2023
BACHELOR OF COMPUTER ENGINEERING - FIRST CLASS HONOURS/1:1

PROJECTS AND CERTIFICATIONS

- **AI Traffic Control System -** Pytorch, Deep Learning, AI Pipelines for Python integrated decision driving.
- **Vehicle Emission Logger** - SQL, Python, Multi-threading, Blockchain, Network and Socket Programming.
- **Cyclistic Data Analysis** - Shell, SQL, Python, Pandas, NumPy, Excel, Tableau, PowerPoint.
- **Google Data Analytics Certification** - SQL, R, Tableau, Statistical Analysis, Data Analysis and Visualisation.
- **FreeCodeCamp Machine Learning Certification** - Python, TensorFlow, PyTorch, Keras, NLP, Neural Nets.
- **Automate the Boring Stuff Certification** - Selenium, Beautiful Soup, Excel Automations, Regex, Web Scraping
- **Formula Trinity** - Git, Linux, Deep Reinforcement Learning, OpenCV, PyTorch.