Eswari Manipriya GK

eswari.gangikunta@gmail.com | +91-9948690042 | Gurgaon | LinkedIN: priya-gangikunta | Blog: JourneytotheAI

Profile

- Python developer with almost **9 years** of experience in **backend automation and development**.
- Well-acquainted with building websites using **Django** web framework, building **Python based desktop applications** and metric tools, running, and maintaining **machine learning** applications.
- Knowledge of **Data Analysis in SQL, Excel and Pandas**, Chatbots, Google Cloud technologies, AWS, basic HTML and JavaScript, NodeJS, Machine learning models, Containerization using Docker.

Skills

- Python
- SQL (MySQL & PostgreSQL)
- Web Development (Django)
- Data Analysis (using SQL and Pandas)
- Machine Learning
- AWS services (S3, Lambda)
- Basics of NodeJS
- Power-BI Basics

Education

B.TECH (Electronics And Communication Engineering)
May 2012 | Nova College Of Engineering & Technology, *Affiliated To JNTU*

Experience

1. **Senior Software Engineer**
   Fleet Studio | *March 2022 – December 2022*

   Project: WALLY - Web Accessibility Audit Tool(Mar-22 to Dec-22)

   - The tool assesses how accessible a website is for differently abled people based on WCAG 2.0 guidelines and it also provides fixes for identified accessibility issues and improves the overall accessibility score of the site.
   - I played different roles in this project. As a developer I provided fixes for a few accessibility issues. Reduced 50% cost by optimizing the audit process that involved third party apis like Google's Vision API, Speech to Text API.
   - As a Tech Lead, handled a 4-member team. Planned their sprint tasks, guided them, reviewed their works, and made sure to deliver a quality output from the entire team.

2. **Senior Software Engineer**
   Accenture | August 2018 – February 2021

   Project: Orchestration Platform (Oct-19 to Feb-21)

   - The Orchestration platform is built on Django rest framework and is used to perform source code analysis on Fortify and Veracode to fetch vulnerabilities and assign them to the concerned team through Jira tickets.
   - My role is to integrate Veracode with the Django application
   - Added an Email module, to send emails to different teams at various levels of orchestration platform.
   - Made a Desktop tool to upload source code to a particular S3 location.
   - Added Retest API, Scoping of scans functionality and optimized scanning process.
   - All these major parts of the orchestration platform eliminated 60-70% of manual tasks for various teams.
   - Our team was recognized for efforts on this project with "Pinnacle Award".

   Project: Data Analysis and Classification Tool (Aug-18 to Oct-19)

   - The purpose of this tool is to classify and secure confidential data across terabytes of files.
   - I enhanced existing machine learning models to improve performance from 70% to beyond **95%**
   - Additionally, I built a new feature to analyze structured data using regular expressions to classify passport numbers, credit card numbers, phone numbers and SSN numbers.
   - This helped to identify and mask confidential information over many TBs of data.
   - To improve the user experience, I have added various data visualization plots like confusion matrix, accuracy etc.

3. **Backend/Data Engineer**
   Peel Technologies | September 2015 – June 2018

   Content Maintenance (May-16 to June-18)

   - Content maintenance team performs the ETL process to fetch and store millions of EPG (Electronic Programming Guide) data coming from almost 100+ countries into our servers.
   - I have improved and maintained the existing ETL process to migrate data fast and efficiently.
   - Reduced 30% of loading time which improved the quality of the application with quickly available new data.
   - The new VOICE feature in the Peel app required some training data to understand customer's voice commands for which I have added 500+ phrases in Google's Natural Language processing tool-Dialog flow. This added tremendous value to the application.

   IR Capturing (Sep-15 to Apr-16)

   - Developed desktop tool using WxPython for capturing IR codes from remotes.
   - Developed test scripts to identify the faulty IR data.
   - Automated many processes like encrypting IR codes, disambiguation of commands, uploading data to database and S3 etc.

- This has improved the application content drastically and brought more revenue to the company.

4. **Content Engineer**
   Fission Labs | April 2013 –August 2015

   Project: Peel Smart Remote

   - Peel Smart Remote is a Mobile application (Android/iPhone) that controls IR Devices
   - Automated the process of image downloading, resizing, watermarking tasks.
   - Developed an internal tool to check for daily percentages of Data coverage for 100+ countries using Django web framework
   - Developed many content scraping scripts for fetching show and lineup data for different countries.

Activities and Interests

Meditation, Yoga, Environmental conservation, Charcoal Drawing