DHAIRYA MAISHERI

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APPLICATION DEVELOPER | BACKEND DEVELOPMENT

- Results-driven software professional with 3+ years of experience in designing, optimizing, and maintaining efficient, scalable backend systems in real-world production environments. Proficient in **Python, Numpy/Pandas, Django, SQL, PL/SQL, UNIX**, and **Data Structures & Algorithms**, with proven expertise in writing clean, maintainable code. Now focused on leveraging strong coding skills and backend experience to excel as a **Software Development Engineer / Python Developer**.

- **Areas of Expertise: -** Database Management | Backend Enhancements | Data Structures & Algorithms | Coding & Testing Standards | Object Oriented Programming | Python Scripting | Data Analysis | Statistics | Debugging & Troubleshooting Issues | Cross-Functional Collaboration | Analytical Skill | Problem-Solving | Written and Verbal Communication Skills | Attention to details | Organization Skills | Team Player

- **Technical Skills: -**

  Programming Languages: Python, SQL, PL/SQL
  Operating Systems / Scripting: UNIX
  Data Science: NumPy, Pandas, Jupyter Notebook
  Python Frameworks: Django
  Exposure to : AWS, Docker, GCP, GIT, Redis, REST API
  Other Technical: Data Structures and Algorithms and OOPS

CAREER SUMMARY

- 3 years of experience in backend development for enterprise systems like Kroger RMS, specializing in Python, Django, SQL, PL/SQL, UNIX, and data-processing tools such as Pandas and NumPy.
- Proficient in designing, optimizing, and automating backend and data workflows to improve system efficiency, data accuracy, and operational performance; adept at collaborating with cross-functional teams to deliver reliable solutions.
- Strong foundation in Python, OOPS, Data Structures & Algorithms, and applied data analysis, enabling efficient problem-solving, scalable application development, and data-driven decision-making.
- Known for a logical and solution-oriented approach, maintaining backend stability, resolving high-priority issues, and proactively improving processes using Python automation and analytical insights.
- Excellent interpersonal, business, and problem-solving skills with the ability to diagnose issues quickly and provide long-term, maintainable solutions.
- Currently focused on transitioning into a **Software Development Engineer / Python Developer / Data Analyst** role, leveraging strong backend expertise, Python scripting, and data-analysis capabilities to build high-performance, impactful solutions.

ACHIEVEMENTS

- Optimized SQL queries and backend routines using Python-based data analysis (Pandas/NumPy) to identify performance gaps, significantly improving bulk data processing speed and reducing system downtime.
- Automated manual checks, data validation, and reporting by developing Python scripts with OOPS principles and PL/SQL logic, cutting repetitive workload and improving deployment efficiency.
- Built internal monitoring utilities using Django and Python Selenium for workflow validation, enabling faster detection of issues and ensuring 99% on-time application availability for clients.

- Served as a core member of IBM's Buzz Team, leading the planning and execution of quarterly employee engagement events such as offsite trips, cultural celebrations, workshops, and themed activities, fostering a vibrant, inclusive, and high-energy workplace culture.
- Contributed to IBM's CSR efforts by participating in the creation of solar lamps, educational kits, wheelchairs, festive hampers, and Diwali cards, positively impacting the lives of underprivileged and orphaned children through purposeful volunteer initiatives.

WORK EXPERIENCE

IBM, Mumbai   **July 2022**

Application Developer:
Project: Kroger

- Managed incident resolution, data integrity issues, system health monitoring, and reporting by using Python scripts and SQL validations, ensuring uninterrupted RMS application availability.
- Provided regular production job support, recovering failed batches caused by data or script errors by analyzing logs through UNIX commands, Python utilities, and SQL diagnostics, ensuring timely delivery for clients.
- Developed and executed SQL queries and performed table updates to fix data-related issues, while also using **Pandas and NumPy** within Python to analyze large datasets and validate data before applying fixes.
- Automated manual checks and data-validation processes by creating **Python scripts using OOPS principles**, improving efficiency and accuracy in bulk data operations.
- Built automated UI and workflow validation tools using **Python Selenium**, reducing manual testing efforts and identifying UI-level issues earlier in the release cycle.
- Utilized UNIX for log access, system monitoring, and daily support tasks, and combined it with Python automation to streamline repetitive backend checks.
- Collaborated with cross-functional teams to design and build internal dashboards using **Django**, connecting backend logic with simple web interfaces to improve visibility of system metrics and operational workflows.
- Maintained high-quality, clean, and modular code by following Python best practices, OOPS concepts, and proper version-control standards across all development tasks.
- Streamlined internal processes using logical optimizations, Python automation, and data-driven insights from Pandas/NumPy, significantly reducing manual effort and improving process reliability.

EDUCATION

- 2017-2021 | B.Tech. Electronics | K. J. Somaiya College of Engineering

CERTIFICATIONS

- PCEP, Certified Entry-Level Python Programmer, Python Institute, 2025
- Oracle SQL Certified Associate, Oracle, 2024