NAKUL KULKARNI
SOFTWARE DEVELOPER ENGINEER

CONTACT

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📍 Chinchwad, Pune, Maharashtra India

🌐 Website

GitHub

LinkedIn

SOFT SKILLS

- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

TECH SKILLS

- Python
- Ruby
- Web Scraping
- Shell Scripting
- Browser Automation
- SQL and NoSQL DB
- Flask and Streamlit
- Kibana
- Pandas and Pyspark
- Googling and Prompting

PROFILE

Results-driven Data Engineer with 5+ years of experience in building and optimizing data pipelines, scraping processes, and managing large-scale datasets. Proficient in Python, SQL, Shell scripting, and tools like PySpark, and Pandas. Skilled in data storage, processing, and visualization using ElasticSearch, Kibana, and MongoDB. Experienced in task automation with Resque and distributed systems like RabbitMQ and Celery. Committed to delivering scalable, efficient, and reliable data solutions.

EDUCATION

Bachelor of Engineering in Electronics and Telecommunication   AUG 2015 - MAY 2019

Maharashtra Academy of Engineering, Pune
Savitribai Phule Pune University (SPPU)

SGPA: 7.44/ 10.0

DELIVERABLES

Data Pipelines & ETL: Developed scalable data pipelines handling 10TB+ datasets, improving processing efficiency by 30%

Data Visualization: Created Kibana dashboards, enhancing real-time analytics and decision-making.

Web Scraping & Automation: Automated data collection using BeautifulSoup, Selenium, and Scrapy, reducing manual effort by 40%

Database Management: Maintained MongoDB, MySQL, and PostgreSQL, optimizing queries and reducing redundancy.

Big Data & Cloud: Used PySpark for distributed data processing, improving performance by 50% on cloud platforms like AWS and GCP.

Automation & Scripting: Developed Shell scripts and Resque-based task automation, reducing manual intervention by 40%

Performance Optimization: Implemented caching and query optimizations, improving response times by 25%

Problem Solving: Identified and resolved system bottlenecks, reducing errors by 50% through proactive monitoring.

Collaboration: Worked with cross-functional teams to gather requirements and deliver solutions on time.

EXPERIENCE

Software Engineer Platform
PromptCloud Technologies Pvt Ltd.

MAY 2023 - PRESENT

- Reduced QA checks by 60% using python and pandas
- Engineered and optimised web scraping pipelines to collect, extract, clean, and store data from multiple websites, ensuring efficient and accurate data ingestion.
- Enhanced platform performance by identifying and resolving vulnerabilities, optimising resource usage, and improving scripts for scalability.
- Designed and implemented infrastructure capable of handling millions of requests per month, significantly improving system reliability and reducing infrastructure costs.
- Developed tools and automation frameworks to enhance platform efficiency, streamlining workflows and reducing manual effort.
- Created and delivered labelled datasets for ML models, enabling accurate and robust machine learning development.

Technologies Used: Ruby, Python, RabbitMQ, ElasticSearch, Kibana, Logstash, Selenium, Pandas

Software Developer Engineer II
PromptCloud Technologies Pvt Ltd.

JULY 2022 - MAY 2023

- Added and integrated new websites into the platform, ensuring seamless data flow and system compatibility.
- Developed and implemented new features while enhancing existing code to improve performance and functionality.
- Solved Captchas efficiently using automated solutions to enable uninterrupted data extraction.
- Utilised Regex and parses for accurate data parsing and transformation.
- Collaborated on coding, unit testing, and system reviews to maintain high-quality standards and optimize reliability.

Technologies Used: Ruby, Python, RabbitMQ, Kibana, Selenium

Senior Data Engineer
Provakil Technologies Pvt. Ltd.

DEC 2021 - JUNE 2022

- Collected and extracted data from multiple courthouses, cleaned it, and efficiently stored it in the database for further processing.
- Solved complex Captchas to ensure seamless and accurate data retrieval, overcoming website challenges.
- Resolved production issues promptly to maintain system up time and reliability.
- Maintained data quality standards by implementing checks and optimising extraction pipelines for accuracy and consistency.

Technologies Used: Python, Flask, RabbitMQ, Redis, OCR Tools, MongoDB, ElasticSearch

Programmer Analyst
Cognizant Technologies Solutions

JULY 2019 - NOV 2021

- Collected and extracted data from multiple courthouses, cleaned it, and efficiently stored it in the database for further processing.
- Resolved production issues promptly to maintain system up time and reliability.
- Maintained data quality standards by implementing checks and optimising extraction pipelines for accuracy and consistency.
- Provided the necessary support and monitoring to prevent or solve the bugs in production.

Technologies Used: Java, SOA, Python, XML, HTML, CSS, MySQL, Oracle DB