

KARTHIKESAN G

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PROFESSIONAL SUMMARY

Senior Software Engineer with around 3 years of experience specializing in Python and Perl for web scraping and data extraction. Skilled in data manipulation, analysis, and automation, utilizing a wide array of libraries and frameworks to optimize performance, streamline workflows, and ensure data accuracy. Proficient in advanced techniques for efficient data handling and analysis.

TECHNICAL SKILLS

- | | | | | |
|------------|----------------|--------------|--------------------|--------------------------|
| • Python | • Perl | • My SQL | • Selenium | • BeautifulSoup |
| • Scrapy | • RegEx | • Pandas | • Numpy | • Extract Transform Load |
| • Django | • Web Scraping | • Filezilla | • Web Technologies | • Git/GitHub |
| • lxml | • Playwright | • Matplotlib | • Microsoft SQL | • Tesseract |
| • Requests | • JSON parsing | • XPATH/CSS | • API integration | |

PROFESSIONAL EXPERIENCE

SYBRANT TECHNOLOGIES PRIVATE LIMITED

Chennai, TN - Onsite

SENIOR SOFTWARE ENGINEER

10/2024 - Present

- Developed and optimized Python scripts to automate data collection and processing.
- Built scalable data pipelines to scrape, clean, and analyze millions of records daily, ensuring high accuracy, efficient storage, and minimal downtime.
- Automated repetitive workflows, reducing manual effort, improving efficiency, and accelerating data processing times.
- Implemented advanced web scraping techniques, including CAPTCHA solving, IP rotation, session management, headless browsing, and request throttling to extract data from complex websites.
- Optimized scraping efficiency using multi-threading and asynchronous requests, cutting execution time significantly.

PROJECTS WORKED IN : MCA (Ministry of Corporate Affairs) daily crawl/monthly refresh, Apollo.io, Aeroleads.

MOBIUS KNOWLEDGE SERVICES

Chennai, TN - Hybrid

SENIOR SOFTWARE ENGINEER

08/2024 - 10/2024

- Worked on data-driven projects, designing and implementing robust Python and Perl scripts for web scraping, ensuring high accuracy and efficiency in data collection.
- Engineered automated data processing pipelines, incorporating data cleaning, transformation, and loading (ETL) processes to maintain data integrity and accessibility for analysis.
- Developed and optimized web scraping frameworks with IP rotation, residential/datacenter proxies, CAPTCHA solving, headless automation, dynamic user-agent rotation to bypass anti-bot mechanisms.
- Collaborated with cross-functional teams to understand data requirements and deliver tailored solutions aligned with business objectives.
- Optimized existing code and processes, reducing runtime and improving overall system performance.

SOFTWARE ENGINEER

06/2023 - 08/2024

- Developed and maintained Python and Perl scripts for web scraping, contributing to the automation of manual tasks.
- Assisted in designing and implementing data integration workflows, streamlining information flow across systems.
- Collaborated with senior engineers to troubleshoot and optimize data extraction and analysis processes, enhancing performance and reliability.

TRAINEE SOFTWARE ENGINEER

03/2022 - 06/2023

- Supported the development of Python scripts for web scraping and data processing.
- Participated in the design of data integration workflows, improving the flow of information across systems.
- Worked with senior engineers to optimize existing data extraction and analysis processes.

PROJECTS WORKED IN : SOS (Secretary Of States), ONS consumer Pricing Web Scraping, Meyers, Dodge (Efeed and Bidders), Permits, CSG (Chain Store Guide), Store Locator, DataProduct, Alacra, Accutrend, ABC Warehouse, CBI, RFP.

EDUCATION

E.G.S PILLAY ENGINEERING COLLEGE

Bachelor of Engineering in Computer Science
CGPA - 8.12%

Nagapattinam, TN

2018-2022

DON BOSCO HIGHER SECONDARY SCHOOL

Higher Secondary Certificate
CGPA - 79%

Karaikal, PY

2016-2018

VIDYASRI ENGLISH HIGH SCHOOL

Secondary School Leaving Certificate
CGPA - 93%

Karaikal, PY

2016

ADDITIONAL INFORMATION

- Languages: English and Tamil
- Certifications:
 - Data Analysis with Python from IBM (Credential ID: 6EJD4EW9GABA)
 - Django Web Framework from Meta (Credential ID: FUELN32SFQO7)
- Awards:
 - Going the Extra Mile(GEM) award (2022, 2023, 2024) - Mobius Knowledge Services
 - Team of the Quarter (2024) - Mobius Knowledge Services