

Mochamad Fadil Rahadi

Web Scraper | Python & Data Extraction Specialist

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SUMMARY

Web Scraper with **3+ years of production experience** designing and maintaining **robust scraping scripts and pipelines** that extracted **50,000+ records daily** from both static and dynamic websites using Python, Selenium, and Scrapy. Skilled in **cleaning, validating, and structuring large volumes of data** for downstream use, and experienced implementing anti-scraping bypass solutions that **increased data collection success rates by 40%**. Comfortable working with REST APIs, JSON/XML parsing, and both relational and NoSQL databases. Communicates clearly with clients to define data requirements, documents processes for reusability, and troubleshoots issues autonomously in remote, async-first settings.

SKILL

Web Scraping Python, Scrapy, Selenium, undetected-chromedriver, Python requests, static & dynamic content extraction

Web Technologies HTML, CSS, JavaScript, REST APIs, JSON, XML parsing

Data Processing Data cleaning, validation, deduplication, and manipulation for large-scale datasets

Databases Relational databases (SQL), NoSQL (MongoDB)

Anti-Scraping & Web Security Rotating proxies (Smartproxy/Decodo), browser fingerprint spoofing, CAPTCHA & bot-detection mitigation, ethical scraping practices

Reliability Structured logging, retry logic, automated validation, pipeline monitoring and troubleshooting

Tools & Practices Git & GitHub, Docker (foundational), Apache Airflow, Linux, technical documentation

AI-Assisted Development Daily use of Claude, Cursor, and self-hosted LLM tooling (Ollama) to accelerate development and debugging

EXPERIENCE

Emega Store LTD, Australia — Remote from Indonesia

May 2023 – April 2026

Python Developer & Web Scraper

- Tasked with reliably extracting product and pricing data from both static and dynamic pages across 7 major e-commerce platforms, designed and maintained scraping scripts in Python, Selenium, and Scrapy, sustaining 50,000+ records/day
- To ensure data quality before delivery, built cleaning, validation, and deduplication steps into every pipeline, catching issues before they reached downstream systems
- When target platforms implemented new anti-scraping mechanisms, implemented rotating proxies and browser fingerprint spoofing to maintain scraping effectiveness, increasing data collection success rates by 40%
- Monitored scraping pipelines daily for data quality issues and troubleshoot failures autonomously, resolving root causes with minimal downtime
- Collaborated with the business team to define data requirements, and documented scraping processes and code for long-term scalability and reusability

DOXLE, Australia — Remote from Indonesia

Jan 2023 – Feb 2023

Frontend Developer

- To support a real-time permit management interface used across teams, built reusable React/TypeScript components integrated with REST APIs, shipping changes directly to production
- Addressing slow load times on data-heavy views, implemented code splitting, lazy loading, and state management improvements to improve frontend responsiveness

Titans Tech, Jakarta, Indonesia

Oct 2022 – Dec 2022

Web Developer

- To enable hands-free interaction in a browser-based AI game, integrated a real-time voice recognition API and developed supporting frontend features using JavaScript
- To ensure a consistent experience across devices, built responsive UI elements and game state logic in JavaScript, delivering stable gameplay across both mobile and desktop

Veeva Systems, Remote, Indonesia*Jun 2021 – Sep 2022**Data Research Specialist*

- Tasked with building a reliable CRM dataset across 3 countries, researched and compiled structured profiles of medical professionals in China, Taiwan, and Hong Kong using advanced search and validation workflows
- Working within a cross-functional research team under high-volume delivery targets, consistently met data accuracy benchmarks through close team coordination

EDUCATION

Computer Science & Technology, Yangtze University

Bachelor Degree, 2019 – 2021

Computer Application Technology, Yellow River Conservancy Technical Institute

Diploma Degree, 2016 – 2019