

# Richard Cobb

## Web Scraping Engineer

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### SUMMARY

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Dedicated Web Scraping Engineer with over five years dedicated to enhancing large-scale web scraping applications using Python and JavaScript. Successfully managed a fleet of scrapers, ensuring high data fidelity for reports and business insights. Each day brought an opportunity to engage with stakeholders, clarify data demands, and solve problems promptly. Exceptional experience in debugging and maintaining systems granted the ability to improve operational workflows. Eager to contribute skills that prioritize superior data delivery and address impacts quickly.

### EXPERIENCE

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#### Web Scraping Engineer

Data Solutions Inc. 📅 January 2024 - Present 📍 Los Angeles, CA

Lead initiatives focused on delivering accurate pricing data through advanced web scrapers while maintaining integrity of operations across various platforms.

- Developed and sustained a robust suite of data scrapers from diverse online platforms worldwide.
- Implemented automatic monitoring protocols to ensure reliable functionality and peak performance.
- Collaborated closely with product management teams to adjust data compilations as per timely requirements.
- Provided articulate documentation and updates to stakeholders regarding data accuracy and timely issues.

#### Junior Web Developer

Tech Innovations LLC 📅 June 2021 - December 2023 📍 San Francisco, CA

Focused on supporting web scraping projects aimed at collecting structured data for research purposes in a collaborative development environment.

- Participated actively in building web tools using Python and JavaScript, helping gather critical market data.
- Troubleshooted existing scrapers, significantly increasing data reliability by addressing flaws effectively.
- Assured data quality through routine checks and resolving discrepancies swiftly.
- Supported team efforts by reporting project progress and new challenges efficiently.

#### Intern, Data Analytics

University of Illinois 📅 June 2020 - August 2020 📍 Champaign, IL

Engaged in a hands-on role involving web scraping practices with senior analysts while contributing to significant academic research.

- Scraped and extracted relevant data iteratively from e-commerce sites supporting comprehensive market studies.
- Gained considerable experience in practical implementation of web scraping methodologies.
- Worked directly with faculty to present findings and analyzed patterns from extracted datasets.
- Enhanced my technical documentation skills by preparing clear reports illustrating our process and results.

### LEADERSHIP & AWARDS

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- Received Top Innovator Award for outstanding contributions towards improving debugging metrics and system efficiency.
- Recognized for developing a pioneering web scraping framework leading to better resource allocation among the teams focusing on data analysis.

### EDUCATION

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#### Bachelor's Degree in Computer Science

University of Illinois 🎓 GPA: 3.8 📅 2021 📍 Champaign, IL

*Coursework: Data Structures, Algorithms, Database Management, Web Development*

### CERTIFICATIONS

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- Certified Python Programmer 📅 2021
- SQL Database Management Certification 📅 2022

### TECHNICAL SKILLS

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- **Programming Languages:** Python, JavaScript, SQL
- **Web Technologies:** HTML, CSS, REST APIs
- **Data Tools:** Pandas, BeautifulSoup, Scrapy

- **Version Control:** Git, GitHub
- **Operating Systems:** Windows, Linux
- **Cloud Services:** AWS, Google Cloud
- **Task Automation:** Cron Jobs, Celery
- **Data Visualization:** Matplotlib, Seaborn
- **Database Systems:** MySQL, PostgreSQL
- **Scraping Tools:** Scrapy, Selenium

**SKILLS**

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- Python
- JavaScript
- SQL
- Data Scraping
- Data Quality Assurance
- Debugging
- Data Analysis
- Web Development
- Stakeholder Communication
- Technical Documentation
- Monitoring Systems
- Project Collaboration
- Troubleshooting
- Operational Efficiency
- Data Collecting Tools
- Research Methodologies

**PROFESSIONAL AFFILIATIONS**

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- Member of the Web Scraping Professionals Association engaging with industry best practices.
- Active participant at Local Python User Group meetings, presenting insights on latest trends and tools.

**LANGUAGES**

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- English (Native)
- Spanish (Intermediate)

**ADDITIONAL INFORMATION**

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**Work Status** : Authorized to work in United States. No sponsorship required.

**REFERENCES**

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AVAILABLE ON REQUEST