

Anson Cooper Fryar

Developer, Educator, Divemaster

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As a Developer at Rocket House, I apply my skills to create engaging and immersive web applications for various clients, from data design to user experience using Ruby on Rails and Python. Additionally, I have over two years of experience as a Python SME at Data Divers, where I authored +290 hours of curriculum on python programming, data analysis, visualization, and storytelling for career pivoters, delivered onsite instruction in three countries. Programming is also my passion and I enjoy developing games and exploring the VR world with C# & C++ along with other technologies in my spare time.

I seek adventure and challenge in my work and hobbies. I strive to bring out the best in myself and those around me.

Key Skills

- ❖ **Full Stack Development:** Expertise in front-end and back-end technologies, frameworks, and languages such as Python (Flask & Django), Ruby on Rails, JavaScript, HTML/HAML, CSS, and Ruby.
- ❖ **Data Analysis:** Skilled in data analytics and visualization, with proficiency in Python, SQL, and Excel for data manipulation, as well as Tableau and Power BI creating visualizations and dashboards for insights.
- ❖ **Versatile OOP Experience:** Broad experience in object-oriented programming (OOP), from developing games using C++ and C# to creating web scraping tools and general applications with Python and Java.
- ❖ **API Integration:** Ability to integrate and work with various APIs like Facebook, Google, ChatGPT, Wild Apricot, Short.io, and FileStack.
- ❖ **Automated Testing & Problem-Solving:** Demonstrated expertise in developing automated test scripts with Python Selenium, coupled with a strong problem-solving mindset to ensure software reliability and performance optimization.

Professional Experience

Rocket House Inc., California, United States

November 2023 - Present

Full Stack Developer

For our client MyGarage.ai, I spearheaded the development of an innovative platform aimed at revolutionizing the automotive community by creating a "Facebook for cars". Leveraging the latest updates from Rails 7.1, I played a pivotal role in building a dynamic and responsive user interface with a focus on reactive interfaces using TurboStreams.

Key Contributions:

- ❖ Developed a robust full-stack application using Ruby on Rails 7, HAML, CSS, Ruby, and JavaScript.
- ❖ Engineered reactive interfaces with TurboStreams to enhance real-time user experience.
- ❖ Implemented secure login systems with Devise and Omniauth, enabling social media integrations for streamlined user authentication.
- ❖ Designed and deployed a versatile importer script capable of adapting to various data inputs, facilitating seamless integration for multiple corporate clients.
- ❖ Utilized and integrated the ChatGPT API to generate unique and engaging bios for each car, enriching the platform's content.
- ❖ Integrated Wild Apricot API for efficient account management and Short.io API for generating URLs.

- ❖ Employed Filestack API for advanced photo management, implementing recursive algorithms to resolve URL redirects and ensure accurate image uploads.
- ❖ Managed a reliable CI/CD pipeline using Git for version control, Heroku for production and staging environments, and ngrok for secure local development servers.
- ❖ Scheduled code reviews and identified areas for improvement. Implemented best practices to ensure code quality and maintainability.

For our client BigTentK.com, I led the migration of their Google Groups community to Circle.so. I utilized Zapier for automating their application process and developed a reply-to feature. Additionally, I integrated HuggingFace to deploy a custom LLM for their legacy forums, enhancing their community space with a custom GPT.

Data Divers LLC, Austin, Texas, United States
Python SME and SQL Specialist

March 2022 - Present

- ❖ Authored over 290 hours of curriculum, including Instructional Material, Student Solutions, and Project Briefs.
- ❖ Delivered onsite and online training for clients including University of Bahamas, Rockborne LTD, University of San Francisco, General Assembly (SQL bootcamps and Python 10-week class), and Skills Gap LTD.
- ❖ Developed and implemented Python scripts and applications to automate various business processes and improve efficiency.
- ❖ Provided in-depth technical expertise and guidance to cross-functional teams on best practices in Python programming, code optimization, and troubleshooting.
- ❖ Conducted Python training sessions for team members to enhance their coding skills, productivity, and understanding of Python libraries and frameworks.
- ❖ Collaborated with stakeholders to understand project requirements and deliver customized Python solutions that met their needs and exceeded expectations.

Rockborne, Wimbledon, England, UK
Onsite Data Coach & Content Developer

August 2022 – December 2022

- ❖ Created and delivered educational experiences to equip young professionals to be market ready, creating data driven insights. Student facing within 4 Cohorts (~80 consultants).
- ❖ Topics Included: Presentation & Soft Skills Exercises, Excel + PowerBI/DAX, PostgreSQL (pgAdmin), Tableau (Iron Viz), Python Data Analytics (NumPy, Pandas, Matplotlib, Seaborn, Altair), Object Oriented Python (OOP Basics, BeautifulSoup4, Selenium & Scrapy), Python Data Engineering (NumPy, PySpark, Scikit Learn).

General Assembly, New York, NY (Global)
Instructor & Instructional Assistant

February 2017 - April 2024

- ❖ Instructor and Instructional Assistant for consumer and enterprise onsite and online Data Analytics and Python cohorts for over 750 students with an NPS average of 81.

Pharma Management LLC, United States
Principal Solutions Engineer

May 2023 - August 2023

- ❖ Collaborated with product management and engineering teams to drive product improvements and feature enhancements based on customer feedback and market trends.
- ❖ Conducted thorough testing and troubleshooting to ensure high performance and functionality of applications.

- ❖ Developed automated test scripts using Python Selenium for functional, regression, and performance testing of web applications.
- ❖ Maintained and updated automated test suites to accurately reflect software requirements changes.
- ❖ Created custom test frameworks and utilities to streamline testing processes and enhance efficiency.

Talent Path

June 2021 - February 2022

Solutions Engineer, Python SME, and Instructor

- ❖ Solutions Development Team Lead for internal software engineering projects with the first web project increasing click-through rate and retention by 100%.
- ❖ Developed and delivered interactive training in Python, R, SQL, and Full Stack development for students to become consultants at Fortune 50 companies (including DELL and Vanguard), achieving an average 75 NPS student rating.

Pop-Base

November 2018 - April 2019

Project Manager and Lead QA

- ❖ Project Manager for an international development team in US and UK.
- ❖ Feature and function testing of an online interactive distribution platform for video content creators. Redefined Jira workflow, collecting over 1,000 Dev and QA tickets.

ArtCraft Entertainment, Inc.

May 2018 - August 2018

QA Intern

- ❖ QA tester for AAA MMORPG Crowfall: Throne War. Worked closely with Engineering and Art Design.
- ❖ Discovered and documented +500 Jira tickets to Dev team, including ~100 critical issues.

PADI, Austin, Texas, United States

June 2017 - September 2021

Divemaster

- ❖ Worked as an independent contractor. Conducted +400 professional dives.

Education

The University of Texas at Austin, Bachelor of Science, December 2021

Computer Science

- ❖ Bachelor of Science in a Computer Science track called Arts and Entertainment Technologies, developing creative and technical skills in digital media production, game design, and interactive storytelling. Through coursework and hands-on projects, I gained expertise in graphic design, animation, audio production, and programming, developing a strong foundation in multimedia arts.