

Stephen Kernan

Software Engineer in St. Louis, MO

My goal is to use my passion for problem solving and learning to efficiently develop solutions that contribute to the success of both my team and my company.

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PROJECT EXPERIENCE

Bandwagon NBA Website — Python, Django, Bootstrap, PostgreSQL

- Scrapes team rosters, player images, and player career stats from Basketball Reference using BeautifulSoup 4.
- Updates player career stats daily.
- Utilized Django-CKEditor to allow for rich-text input in posts.
- Stores user-uploaded images with AWS S3 Buckets.
- Gives users a password reset option via email.
- Deployed via Heroku.
- Currently building a 'Play Finder' feature that searches a database of twenty years' worth of play-by-play data for timestamps using BeautifulSoup 4, AJAX, and PostgreSQL.

Play-by-Play Data Scraper — Python, Python CSV, BeautifulSoup 4

- Implemented BeautifulSoup 4 to scrape NBA play-by-play data.
- Cleaned data with Python to store useful information, such as 'player_id', 'shot_type', 'assist_by', etc.
- Utilized Python CSV library to store one month's worth of data at a time, roughly 50,000 rows, in CSV files for easy data search/analysis.

Recipe Book Application — JavaScript, React, Express

- Allows users to store, access, update, and delete recipes in a shared recipe book.

WORK EXPERIENCE

Financial Relationship Consultant — Regions Bank, Creve Coeur, MO

January 2018 - Present

- Improved customer online experience as branch Digital Coach.
- Reached/outperformed sales goals in each quarter of employment.
- Attained branch's highest customer satisfaction scores in each quarter.

EDUCATION

LaunchCode - Accepted into Apprenticeship Program — 2019

Codecademy - Completed courses in Python, JavaScript, React, SQL, R, HTML, CSS, and Git — 2018-2020

Harding University - BA, Religious Studies — 2017

SKILLS

PROGRAMMING LANGUAGES/ LIBRARIES

- Python
- Django
- JavaScript
- HTML
- CSS
- jQuery
- React
- Express
- SQL

TOOLS

- Visual Studio Code
- Brackets
- Git/Github
- Terminal/CLI
- Microsoft Excel
- Adobe Photoshop
- AWS S3